Filter Technology Co.,Ltd

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Filter Technology Co.,Ltd

Company Profile

Filter Technology Company has been a leader in the design,development and manufacturer of hihg quality microwave componments since 2010.The company offers porducts covering the frequency range from DC to 70 GHz for customers around the world. We supply narrowband and broadband components, like Filters, Diplexers, Combiners, Power Dividers, Directional Couplers, Hybrid Couplers, PIN Switchs, Isolators, Horn Antenas and also with Filter Assembly.

The Company's products are employed in commercial, aerospace and defense,and industrial application throughout the world.And the company always implement ISO9001 quality system to control product's quality seriously.Filter Technology Company is committed to designing and manufacturing custom products to meet customer specifications or assisting customers to define their system products by using the most available microwave and millimeterwave technologies.

The Company's in-house capabilities encompass design,development,manufacturing and testing.Providing operational excellence tailored to volume manufacturing requirements,we specialize in designing and manufacturing devices suitable for complex environment,high altitude and low pressure,high power,vibration,etc.

The products described in this catalog are just a sampling of the designs that have been developed for our customers over the years.Since there are thousands of designs in our archives,it would impossible to present them all in this format.We invite you to contact our experienced applications's engineers to design the componment to meet your specefications.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Ordering&Warranty

Ordering and Warranty

Orders may be placed through our local Representative. Final determination of price, delivery, terms and acceptance of orders may be made only by the staff at Filter Technology Co.,Ltd.

How to Order:

A written purchase order is required to enable the factory to proceed with the manufacture and shipment of the items requested.
Ordering: +86-28-65023127
E-mail: sales@filter-mw.com
Web site: www.filter-mw.com
Address: 12F, Building No.8, No. 89 Huahan Road, 610052 Chengdu China

Quotations and Prices:

Prices are F.O.B. shipping point and will be invoiced at current prices in effect on date of purchase. The quotation is valid for one year and a complete part number must be specified, this must include model number,outline draw and connector type.

Payment/Credit Terms:

Terms are NET 30 days to customers who have an established open account.If an open account has not been established,we will require the customer to pay the full payment in advance or at least 50% of the payment in advance,then we will ship C.O.D for certified check.
If the customer use wire transfer,the sending bank must not deduct any fees from the funds transferred.

Shipping/Freight Claims:

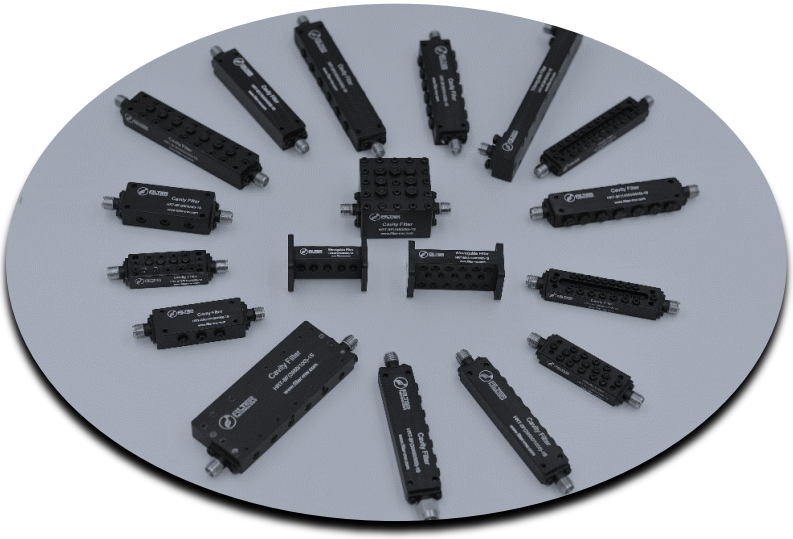
Shipments are made F.O.B. shipping point. All charges related to the shipment are the responsibility of the customer. If the customer does not specify method of shipment, the Company reserves the right to select the carrier of choice. The shipment must be inspected upon receipt. If damaged, it is the responsibility of the customer to file a claim with the carrier.

Warranty:

Products returned to Filter Technology Co.,Ltd. within one year of the date of purchase for original defects will be replaced or repaired free of charge or refunded, at our option, if we confirm the defects. The Company shall have no liability for special, incidental or consequential damages resulting from improper use, negligence or accident. Complete or partial disassembly of the components will void this warranty.

Microwave Filter Produce Line

Filter Technology designs and manufacturers a complete line of high quality filters for a wide variety of applications for customers around the world. Markets and customers served include communications, broadcast, military and aerospace, university and government research labs.
Designs include cavity/coaxial, waveguide, micrstrip/stripline, lumped element topologies.Filter types and accessories include bandpass, bandstop, lowpass, highpass, dipelxers, combiners.
The frequency covers from DC to 50GHz for customers around the world.
It can also realize special request like waterproof, dustproof, DC pass and feed.



Partial List of Filter types:

- Cavity Filters
- Waveguide Filters
- Microstrip / Stripline Filters
- LC Filters

Contact Sales with your specific requirements!

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Filter Technology Co.,Ltd

Cavity Filters

Filter Technology's Iris coupled,Combline and Interdigital bandpass filters are fixed tuned filters,which frequency cover from DC to 50GHz and feature sharp stopband rejection and lower insertion losses than discrete element or transmission line bandpass filters.These cavity filter have high-Q with small size and excellent bandpass response.

These cavity filters are particularly rugged and well suited for military and severe environmental conditions.The type of filter selected is usually determined by the insertion loss,3dB bandwidth,outband rejections and power handling.

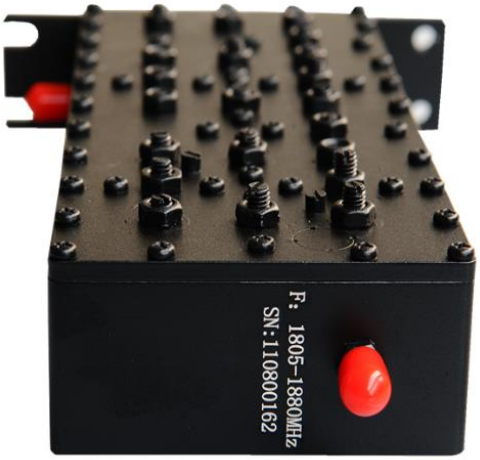
Custom Requirements

The customer needs to provide the center frequency,operating bandwidth,insertion loss,return loss,outband rejection,withstand power,connector type and installation environment of the filter.

Filter Technology Co.,Ltd

Cavity Iris Coupled Bandpass Filters

Filter Technology's Iris coupled filters offer superior performance in a small package for narrow bandwidth applications.



FEATURES:

- Frequency Range: 100MHz to 50GHz
- Wide Range of Operating Bandwidths: 0.1% to 10%
- Designs Available in 2-25 Sections
- Coaxial Cavity Construction,Excellent Reliability
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Frequency (GHz)	Bandwidth	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.1-50	0.1% to 10%	1.5:1	50	2-25	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{BF}\,\underset{3}{(950}\,/\underset{4}{30)}-\underset{5}{1122}\,\underset{6}{SM}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Center Frequency(MHz)
4	Bandwidth(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
TNC Female	TF
TNC Male	TM
BNC Female	BF
BNC Male	BM
Pin Mounting	PM

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Filter Technology Co.,Ltd

Cavity Iris Coupled Bandpass Filters

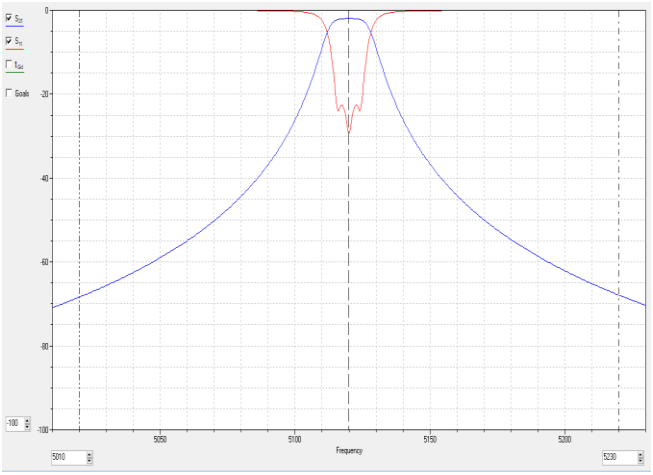
Example:

Center Frequency:5120MHz

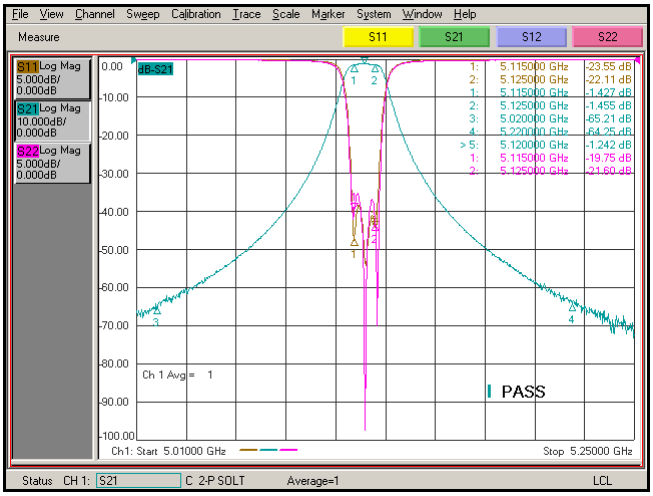
Bandwidth: 10MHz

Rejection: ⩾20dB@CF±100MHz

Number of Sections: 3



Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Cavity Combline Bandpass Filters

Filter Technology's Combline filters offer superior performance in a small package for narrow bandwidth applications.

FEATURES:

- Frequency Range: 100MHz to 50GHz
- Wide Range of Operating Bandwidths: 1% to 30%
- Designs Available in 2-25 Sections
- Coaxial Cavity Construction,Excellent Reliability
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Frequency (GHz)	Bandwidth	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.1-50	1% to 30%	1.5:1	50	2-25	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{BF}\ \underset{3}{(6575}\ /\underset{4}{1380)}-\underset{5}{789}\ \underset{6}{SF}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Center Frequency(MHz)
4	Bandwidth(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
TNC Female	TF
TNC Male	TM
BNC Female	BF
BNC Male	BM
Pin Mounting	PM

Filter Technology Co.,Ltd

Cavity Combline Bandpass Filters

Example:

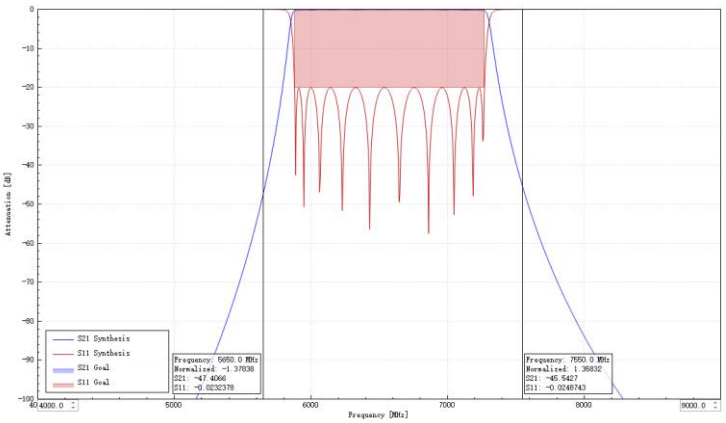
Center Frequency:6575MHz

Bandwidth: 1380MHz

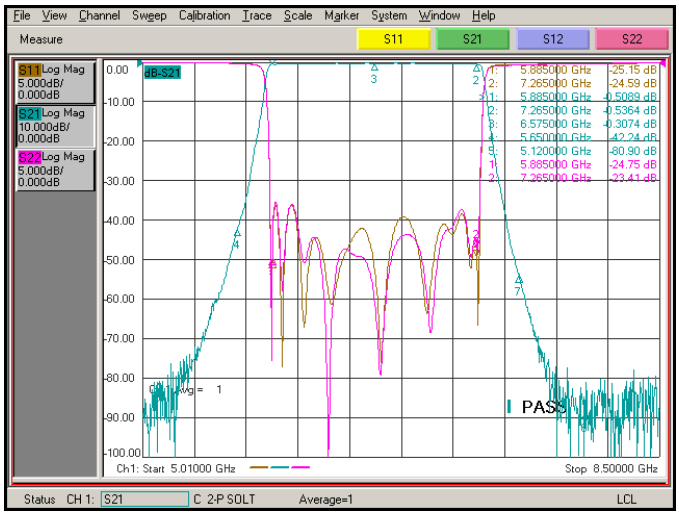
Rejection: ⩾30dB@5650MHz,

⩾30dB@7550MHz

Number of Sections: 10



Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Cavity Interdigital Bandpass Filters

Filter Technology's Interdigital filters offer superior performance in a small package for wide bandwidth applications.

FEATURES:

- Frequency Range: 100MHz to 50GHz
- Wide Range of Operating Bandwidths: 10% to 70%
- Designs Available in 2-25 Sections
- Coaxial Cavity Construction,Excellent Reliability
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Frequency (GHz)	Bandwidth	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.1-50	10% to 70%	1.5:1	50	2-25	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz -2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{BF}\ \underset{3}{(3700}/\underset{4}{1400)}-\underset{5}{888}\ \underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Center Frequency(MHz)
4	Bandwidth(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
TNC Female	TF
TNC Male	TM
BNC Female	BF
BNC Male	BM
Pin Mounting	PM

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Filter Technology Co.,Ltd

Cavity Interdigital Bandpass Filters

Example:

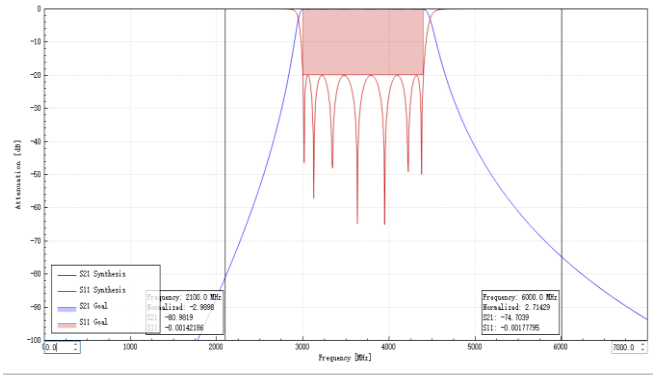
Center Frequency:3700MHz

Bandwidth: 1400MHz

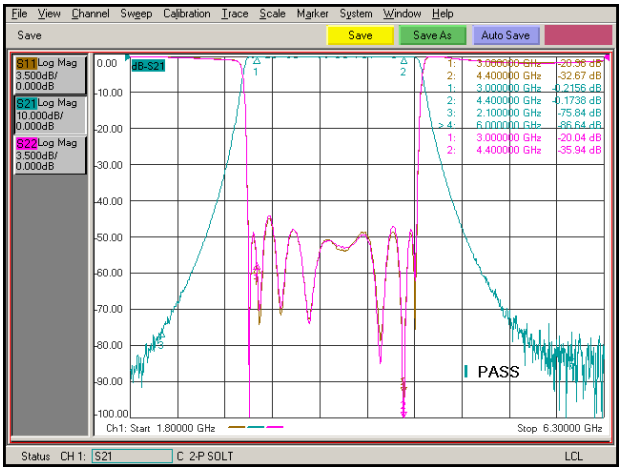
Rejection: ⩾60dB@2100MHz,

⩾60dB@600MHz

Number of Sections: 7



Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Cavity Cross Coupled Bandpass Filters

Filter Technology's Cross Coupled filters offer superior performance in a small package for narrow bandwidth applications.

FEATURES:

- Frequency Range: 100MHz to 50GHz
- Wide Range of Operating Bandwidths: 0.1% to 20%
- Designs Available in 2-25 Sections
- Coaxial Cavity Construction,Excellent Reliability
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Frequency (GHz)	Bandwidth	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.1-50	0.1% to 20%	1.5:1	50	2-25	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz -2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{BF}\,\underset{3}{(854}/\underset{4}{60)}-\underset{5}{1131}\,\underset{6}{D}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Center Frequency(MHz)
4	Bandwidth(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
TNC Female	TF
TNC Male	TM
BNC Female	BF
BNC Male	BM
Pin Mounting	PM

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Filter Technology Co.,Ltd

Cavity Cross Coupled Bandpass Filters

Example:

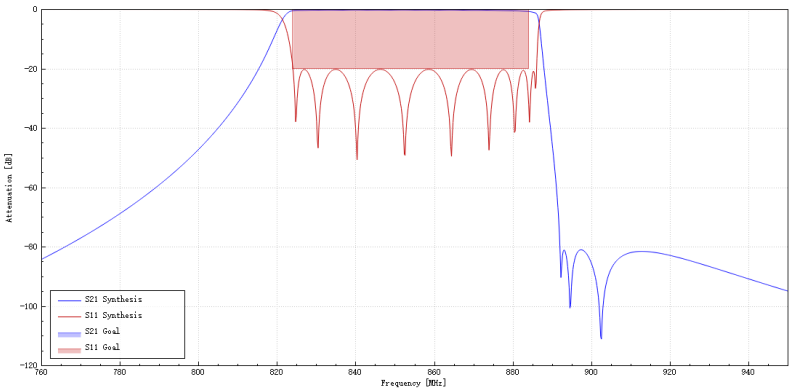
Center Frequency:854MHz

Bandwidth: 60MHz

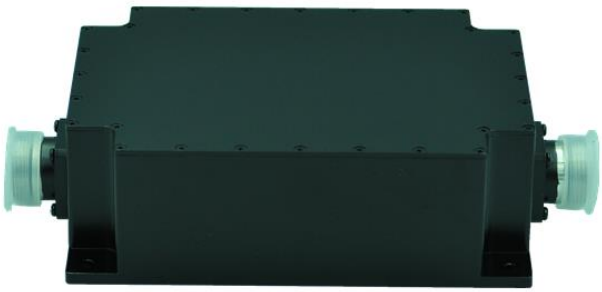
Rejection: ⩾70dB@890-960MHz

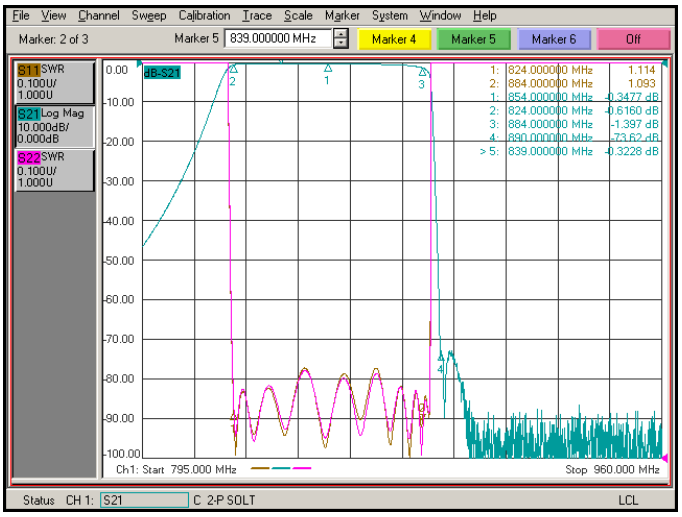
Number of Sections: 9

Number of transmission zeros: 3



Note: For more stringent rejection requirements,contact the company.





Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Waveguide Filters

Filter Technology offers a complete line of waveguide filter designs including bandpass,bandstop and diplexer models.Available waveguide sizes range from WR650 to WR22 covering the frequency from 1GHz to 50GHz with bandwidth up to 15%.

These waveguide filters are particularly rugged and well suited for military and severe environmental conditions.The type of filter selected is usually determined by the insertion loss,3dB bandwidth,outband rejections and power handling.

Custom Requirements

The customer needs to provide the center frequency,operating bandwidth,insertion loss,return loss,outband rejection,withstand power,connector type and installation environment of the filter.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Iris Coupled Waveguide Filters

Filter Technology's Iris Coupled Waveguide bandpass filters offer superior performance in a small package for narrow bandwidth applications.

FEATURES:

- Frequency Range: 1GHz to 50GHz
- Wide Range of Operating Bandwidths: 0.1% to 15%
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

TO ORDER

$$\underset{1}{HRT}-\underset{2}{BF}\,(\underset{3}{WG31000}\,/\underset{4}{600})-\underset{5}{WR28}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Center Frequency(MHz)
4	Bandwidth(MHz)
5	Waveguide Flange

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
2.4 mm Female	24F
2.4 mm Male	24M
WR229	WR229
WR28	WR28

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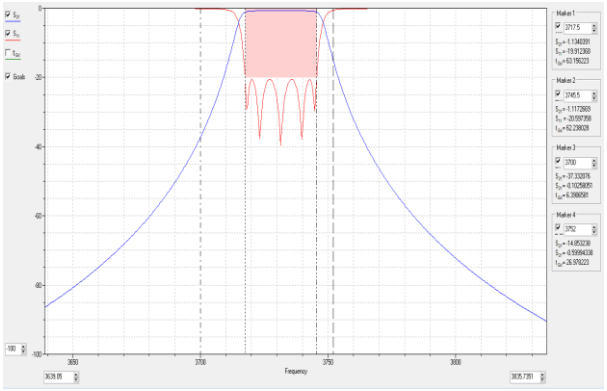
Filter Technology Co.,Ltd

Iris Coupled Waveguide Filters

Example:



Center Frequency:3731.5MHz

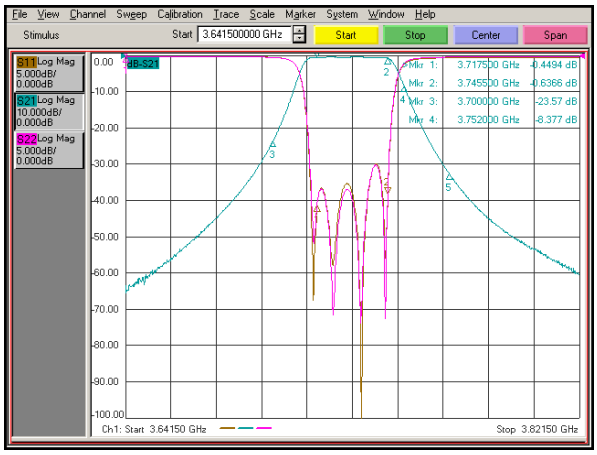
Bandwidth: 28MHz

Rejection: ⩾20dB@3600-3700MHz,

⩾8dB@3752MHz

Number of Sections: 5

Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Microstrip / Stripline Filters

Filter Technology offers a complete line of microstrip and stripline filter designs including bandpass,bandstop, lowpass and highpass models.Where size may be a concern and losses not as important,a microstrip or stripline filter offers a good compromise.Frequency range availability is from 500MHz – 40GHz.

These units are usually designed to a 0.1dB Chebyshev response using 3 to 15 sections.A variety of connector options are also available including surface mount.The type of filter selected is usually determined by the insertion loss,3dB bandwidth,outband rejections and power handling.

Custom Requirements

The customer needs to provide the center frequency,operating bandwidth,insertion loss,return loss,outband rejection,withstand power,connector type and installation environment of the filter.

Filter Technology Co.,Ltd

Microstrip / Stripline Lowpass Filters

Filter Technology's Microstrip and Stripline lowpass filters offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 500MHz to 40GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

TO ORDER

$$\frac{HRT}{1}-\frac{LF}{2}\frac{(DC}{3}/\frac{6660)}{4}-\frac{1231}{5}\frac{S}{6}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Lowpass filters)
3	Start Frequency(MHz)
4	Cut-off Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

Filter Technology Co.,Ltd

Microstrip / Stripline Lowpass Filters

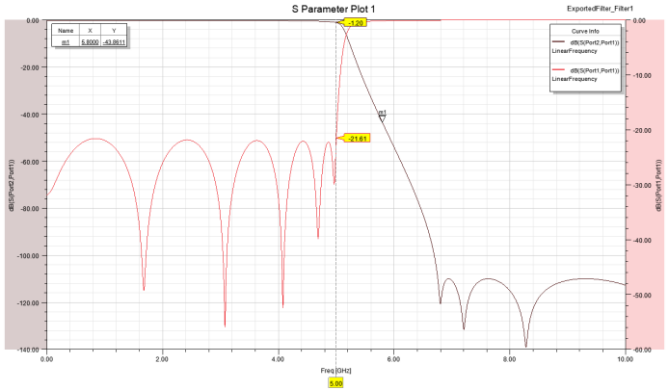
Example:

Frequency Range:DC-5000MHz

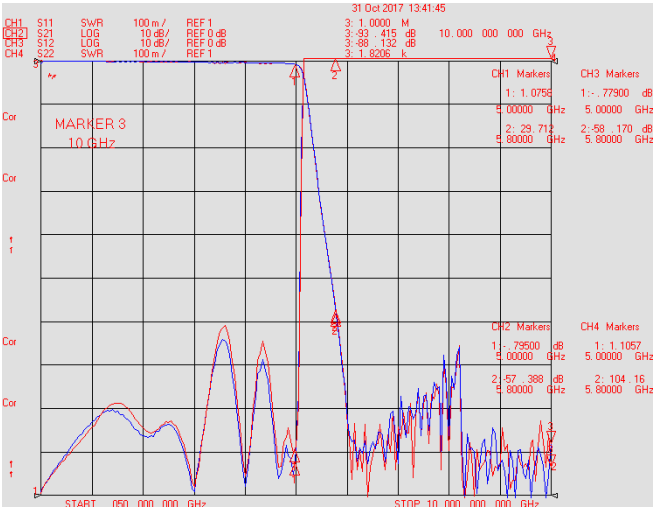
Insertion Loss: ⩽1.8dB

Rejection: ⩾40dB@5800-10000MHz

Number of Sections: 11



Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Microstrip / Stripline Highpass Filters

Filter Technology's Microstrip and Stripline highpass filters offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 500MHz to 40GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

TO ORDER

$$\underset{1}{HRT}-\underset{2}{HF}\,\underset{3}{(5000}\,/\underset{4}{20000)}-\underset{5}{1261}\,\underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Start Frequency(MHz)
4	Cut-off Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

Filter Technology Co.,Ltd

Microstrip / Stripline Highpass Filters

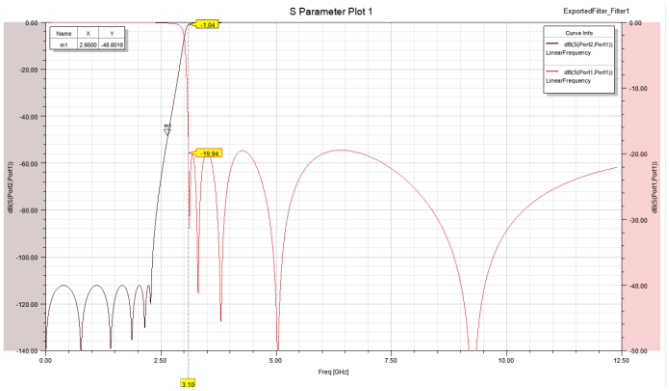
Example:

Frequency Range:3100-12000MHz

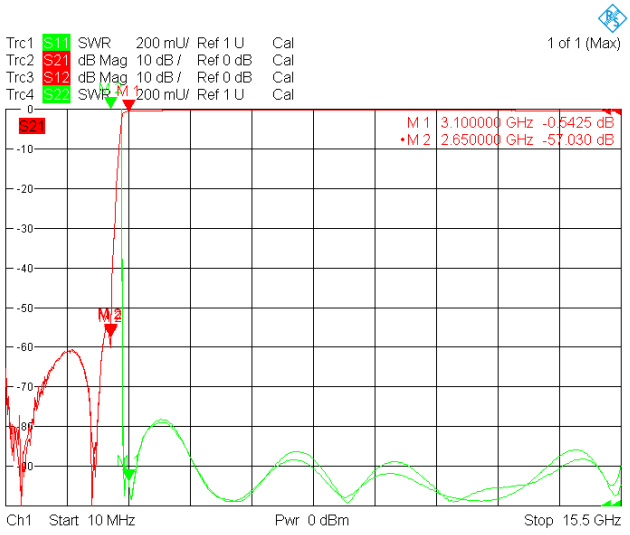
Insertion Loss: ⩽1.0dB

Rejection: ⩾40dB@DC-2650MHz

Number of Sections: 11



Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

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Filter Technology Co.,Ltd

Microstrip / Stripline Bandpass Filters

Filter Technology's Microstrip and Stripline bandpass filters offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 500MHz to 40GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

TO ORDER

$$\underset{1}{HRT}-\underset{2}{BF}\,\underset{3}{(8000}\,/\underset{4}{12000)}-\underset{5}{F09}\,\underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Start Frequency(MHz)
4	Cut-off Frequency(MHz)
5	Model Number
6	Connector Code

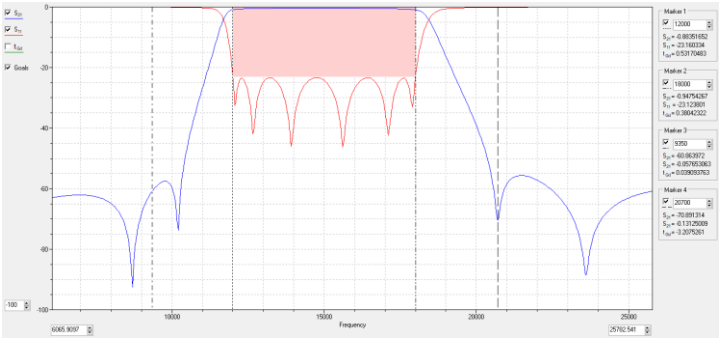
CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

Filter Technology Co.,Ltd

Microstrip / Stripline Bandpass Filters

Example:



Frequency Range:12000-18000MHz

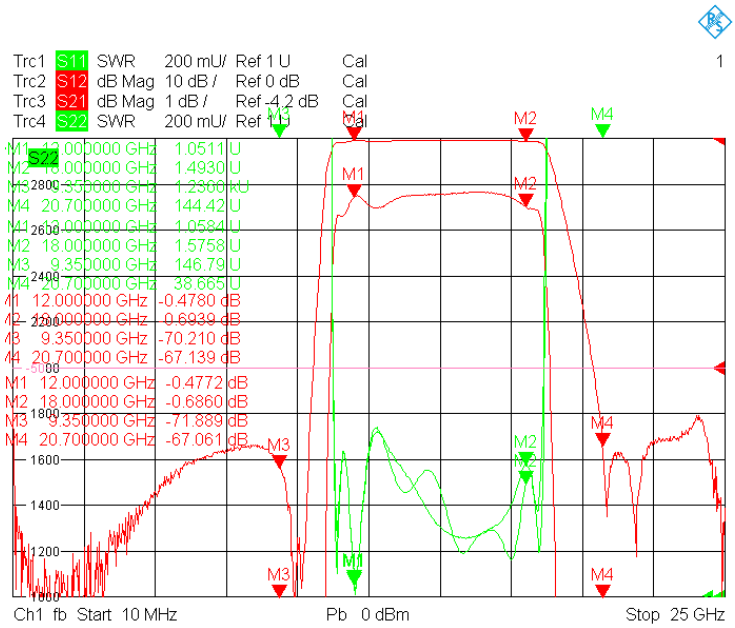
Insertion Loss: ⩽1.0dB

Rejection: ⩾50dB@9350MHz,

⩾50dB@20700MHz

Number of Sections: 7

Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Microstrip / Stripline Notch Filters

Filter Technology's Microstrip and Stripline notch filters offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 500MHz to 40GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

TO ORDER

$$\underset{1}{HRT} - \underset{2}{SF}\ \underset{3}{(9385}\ /\underset{4}{9435)} - \underset{5}{1198}\ \underset{6}{N}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Start Frequency(MHz)
4	Cut-off Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

Filter Technology Co.,Ltd

Microstrip / Stripline Bandpass Filters

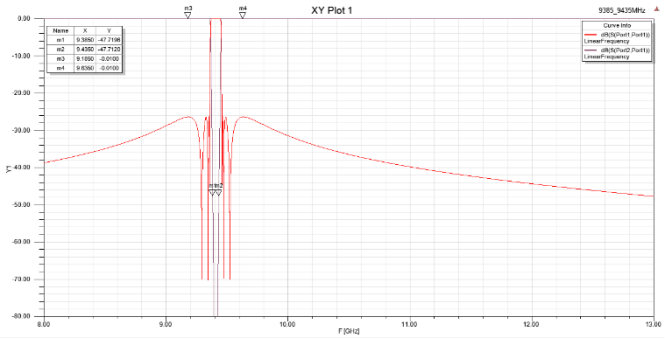
Example:

Frequency Range: DC-9185MHz & 9635-13000MHz

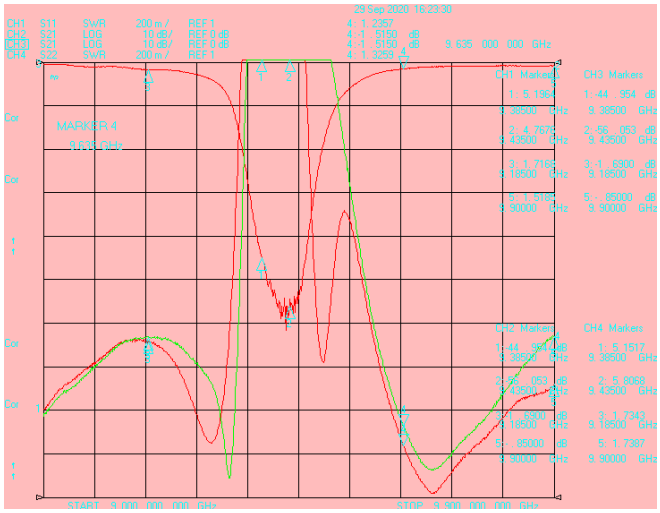
Insertion Loss: ⩽2.0dB

Rejection: ⩾40dB@9385-9435MHz

Number of Sections: 7



Note: For more stringent rejection requirements,contact the company.



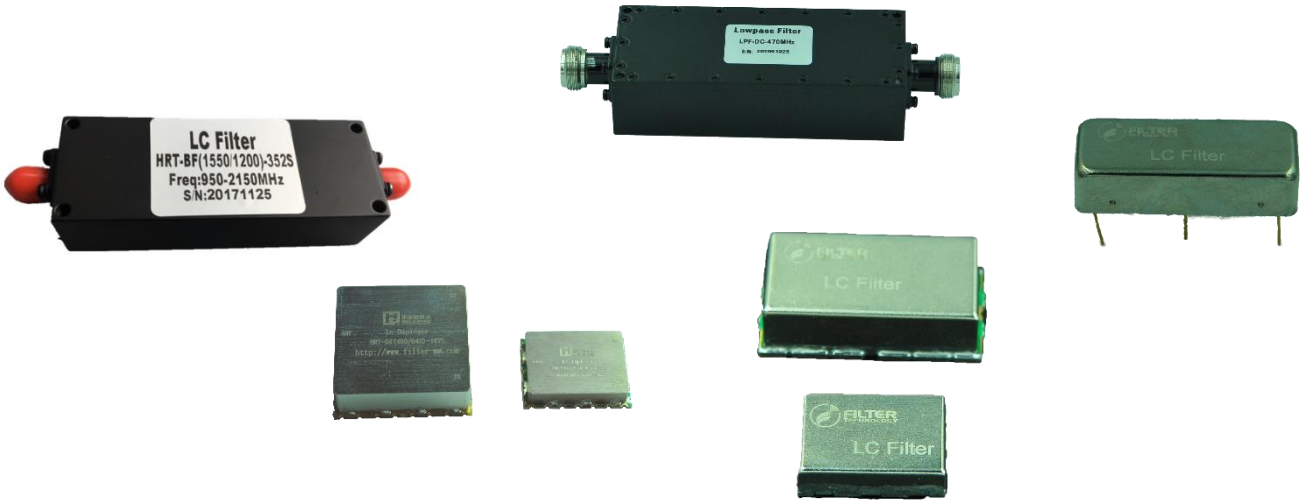
Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

LC Filters



Filter Technology offers a complete line of LC filter designs including bandpass, bandstop,lowpass and highpass filters.
Where size may be a concern and losses not as important,a microstrip or stripline filter offers a good compromise.Frequency range availability is from 0.1MHz – 3GHz.

These units are usually designed to a 0.1dB Chebyshev response using 3 to 15 sections.A variety of connector options are also available including surface mount.The type of filter selected is usually determined by the insertion loss,3dB bandwidth,outband rejections and power handling.

Custom Requirements

The customer needs to provide the center frequency,operating bandwidth,insertion loss,return loss,outband rejection,withstand power,connector type and installation environment of the filter.

Filter Technology Co.,Ltd

LC Lowpass Filters

Filter Technology's LC lowpass filters offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 10MHz to 3GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.01-3	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{LF}\,\underset{3}{(DC}\,/\underset{4}{80)}-\underset{5}{1052}\,\underset{6}{N}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Start Frequency(MHz)
4	Cut-off Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

LC Lowpass Filters

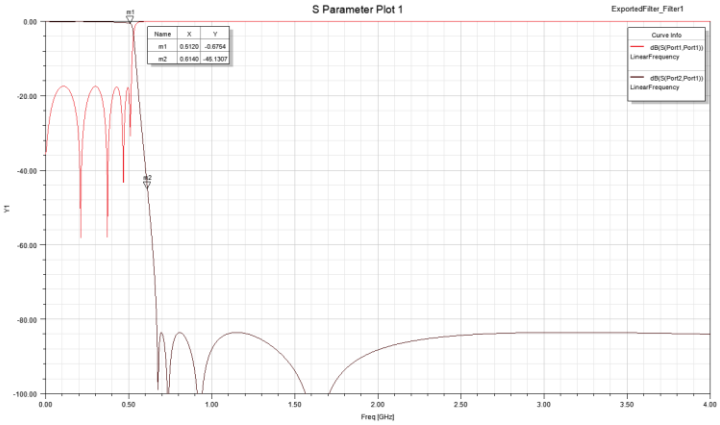
Example:

Frequency Range: DC-512MHz

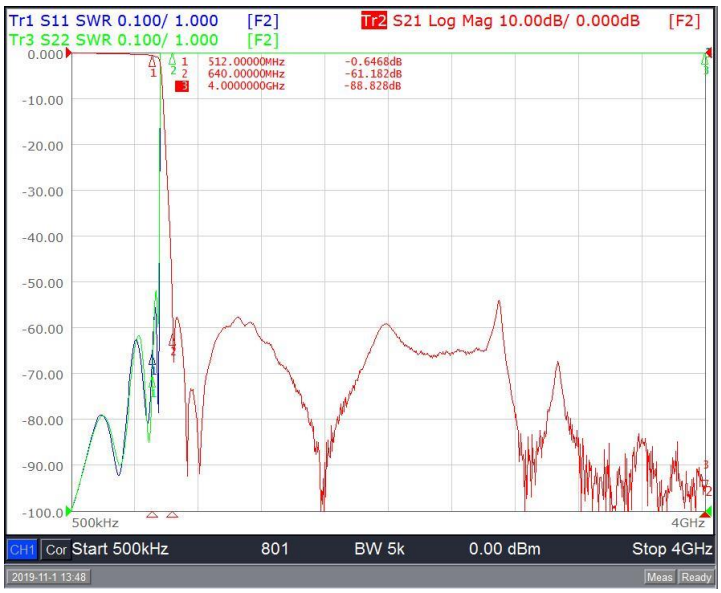
Insertion Loss: ⩽1.0dB

Rejection: ⩾40dB@640-4000MHz

Number of Sections: 9



Note: For more stringent rejection requirements,contact the company.



Mechanical:

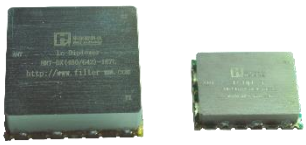
The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

LC Highpass Filters

Filter Technology's LC highpass filters offer superior performance in a small package for a wide range bandwidth applications.



FEATURES:

- Frequency Range: 10MHz to 3GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.01-3	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{HF}\,\underset{3}{(30}\,/\underset{4}{88)}-\underset{5}{1152}\,\underset{6}{N}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Start Frequency(MHz)
4	Cut-off Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

Filter Technology Co.,Ltd

LC Bandpass Filters

Filter Technology's LC bandpass filters offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 10MHz to 3GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.01-3	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{BF}\,\underset{3}{(1550}/\underset{4}{1200)}-\underset{5}{352}\,\underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Start Frequency(MHz)
4	Cut-off Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

Filter Technology Co.,Ltd

LC Bandpass Filters

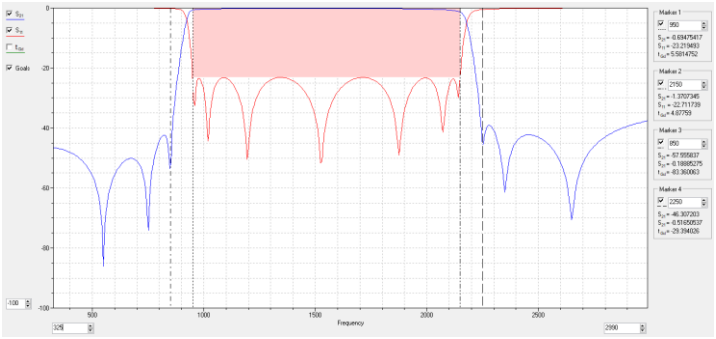
Example:

Frequency Range: 950-2150MHz

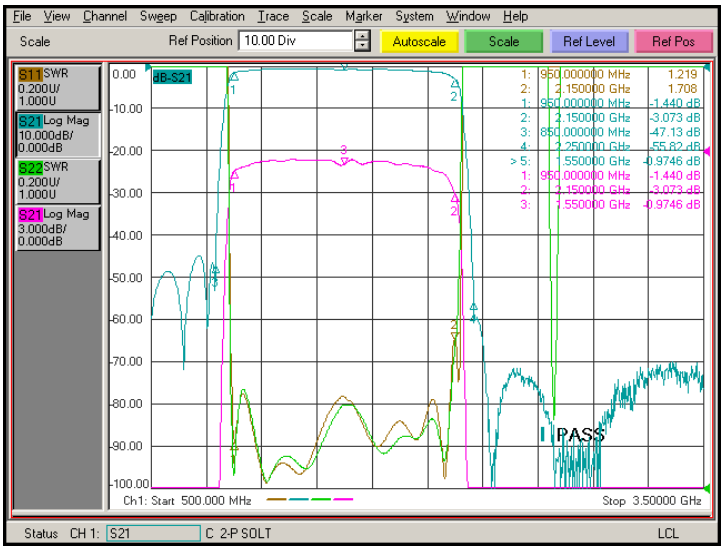
Insertion Loss: ⩽1.5dB

Rejection: ⩾30dB@DC-850MHz,
⩾30dB@2250-3500MHz

Number of Sections: 9



Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

LC Notch Filters

Filter Technology's LC notch filters offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 10MHz to 3GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.01-3	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{SF}\ \underset{3}{(1550}\ /\underset{4}{1200)}-\underset{5}{352}\ \underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Start Frequency(MHz)
4	Cut-off Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

LC Notch Filters

Example:

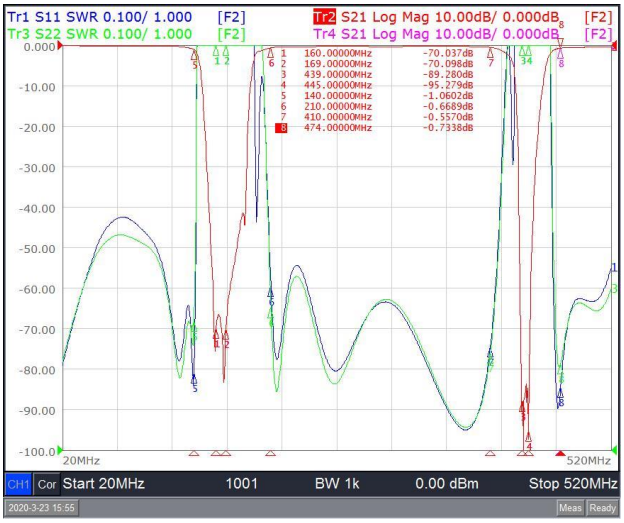
Frequency Range: 20-140MHz & 210-410MHz & 474-520MHz

Insertion Loss: ⩽2.0dB

Rejection: ⩾60dB@160-169MHz; ≥80dB@439-445MHz

Number of Sections: 9

Note: For more stringent rejection requirements,contact the company.

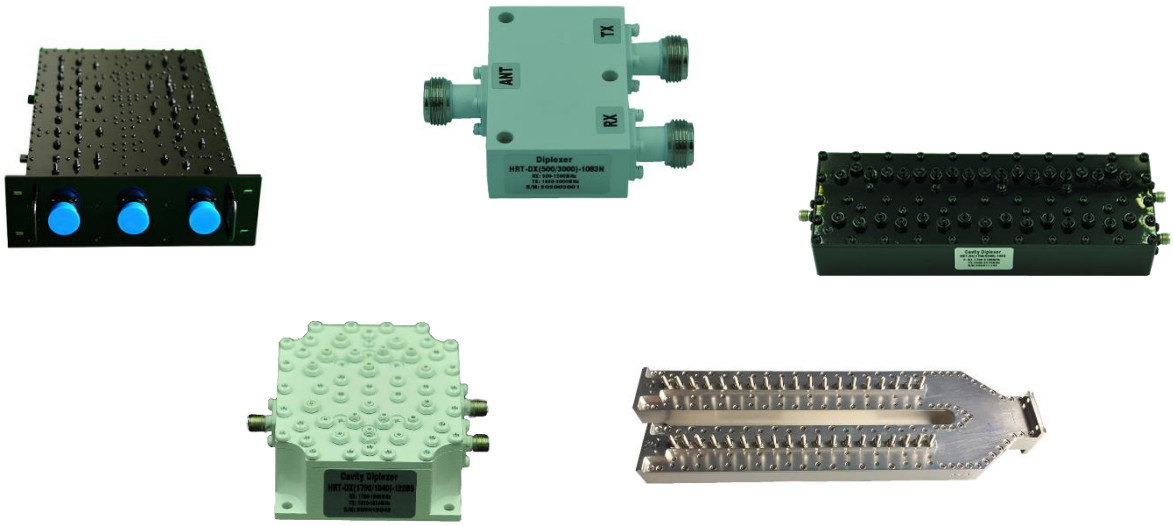


Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Diplexers



Filter Technology offers a complete series of diplexers provide passive signal processing for all standard wireless bands.Designs include cavity/coaxial, waveguide, micrstrip/stripline, lumped element topologies.

The frequency covers from DC to 50GHz for customers around the world.
It can also realize special request like waterproof, dustproof, DC pass and feed.

Custom Requirements

The customer needs to provide the center frequency,operating bandwidth,insertion loss,return loss,outband rejection,withstand power,connector type and installation environment of the filter.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Cavity Diplexers

Filter Technology's cavity diplexers offer high performance,high Q bandpass response and provide a temperature stable.

FEATURES:

- Frequency Range: 100MHz to 40GHz
- Customized Power Handling up to 1000W cw
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	Average Power	Shock	Vibration	Temperature	Relative Humidity
0.1-40	1.5:1	50	Up to 1000W	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{DX}\,\underset{3}{(1550}/\underset{4}{1200)}-\underset{5}{352}\,\underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Diplexers)
3	RX Center Frequency(MHz)
4	TX Center Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Cavity Diplexers

Example:

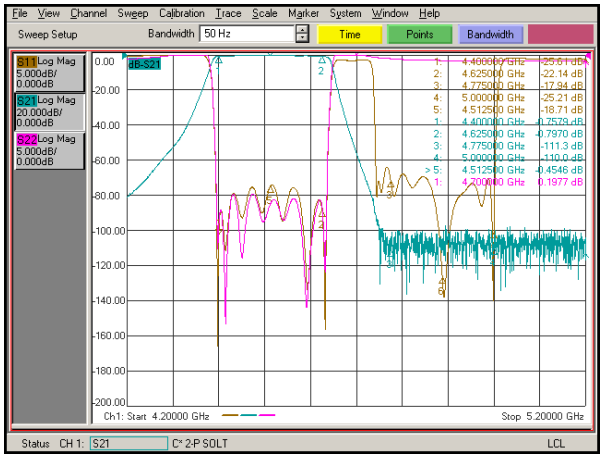
Frequency Range: Rx:4400-4625MHz, Tx:4775-5000MHz

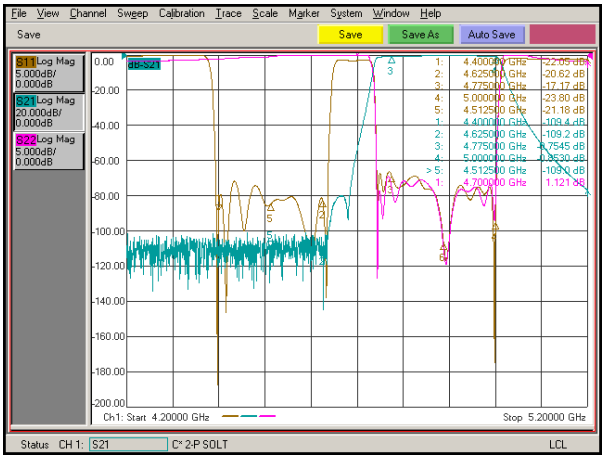
Insertion Loss: ⩽1.0dB

Isolation: ⩾100dB@4400-4625MHz, 4775-5000MHz

Number of Sections: 9

Note: For more stringent rejection requirements,contact the company.





Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Waveguide Diplexers

Filter Technology's cavity diplexers offer high performance,high Q bandpass response and provide a temperature stable.

FEATURES:

- Frequency Range: 1GHz to 50GHz
- Customized Power Handling up to 1000W cw
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	Average Power	Shock	Vibration	Temperature	Relative Humidity
1-50	1.5:1	50	Up to 1000W	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{DX}\,\underset{3}{(WG1550}\,\underset{4}{/1200)}-\underset{5}{352}\,\underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Diplexers)
3	RX Center Frequency(MHz)
4	TX Center Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
2.4 mm Female	24F
2.4 mm Male	24M
WR229	WR229
WR28	WR28

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

LC Diplexers

Filter Technology's LC diplexers offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 10MHz to 3GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.01-3	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{DX}\,\underset{3}{(1550}\,/\underset{4}{1200)}-\underset{5}{352}\,\underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Diplexers)
3	RX Center Frequency(MHz)
4	TX Center Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

Filter Technology Co.,Ltd

LC Diplexers

Example:

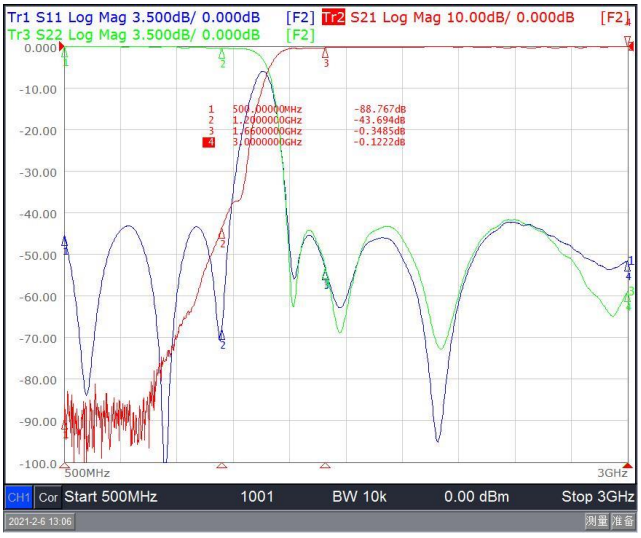
Frequency Range: Rx:500-1200MHz, Tx:1660-3000MHz

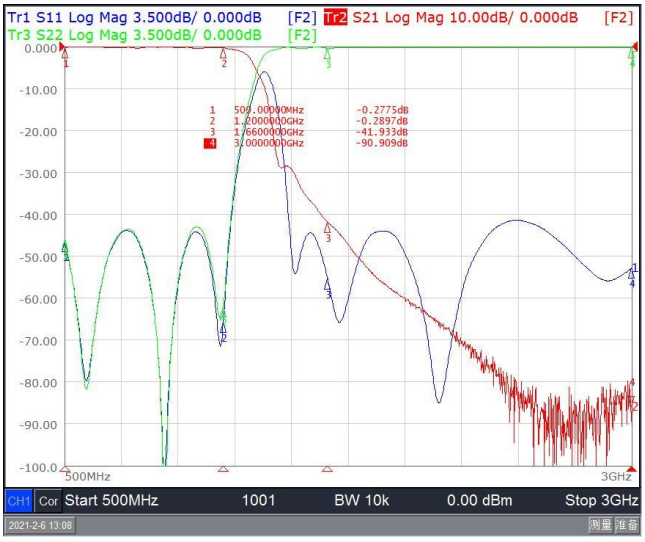
Insertion Loss: ≤0.7dB

Isolation: ≥40dB@500-1200MHz,1660-3000MHz

Number of Sections: 7

Note: For more stringent rejection requirements,contact the company.





Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Microstrip / Stripline Diplexers

Filter Technology's Microstrip and Stripline diplexers offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 500MHz to 40GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.5-40	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{DX}\ \underset{3}{(1550}/\underset{4}{1200)}-\underset{5}{352}\ \underset{6}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Diplexers)
3	RX Center Frequency(MHz)
4	TX Center Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Microstrip / Stripline Diplexers

Example:

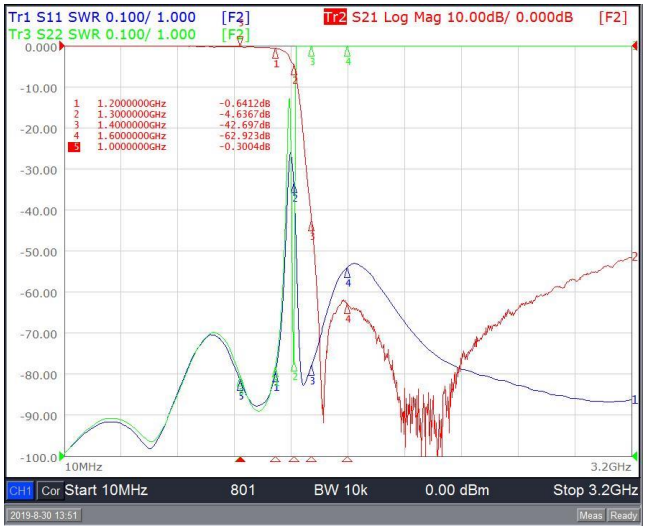
Frequency Range: Rx:DC-1200MHz, Tx:1400-3000MHz

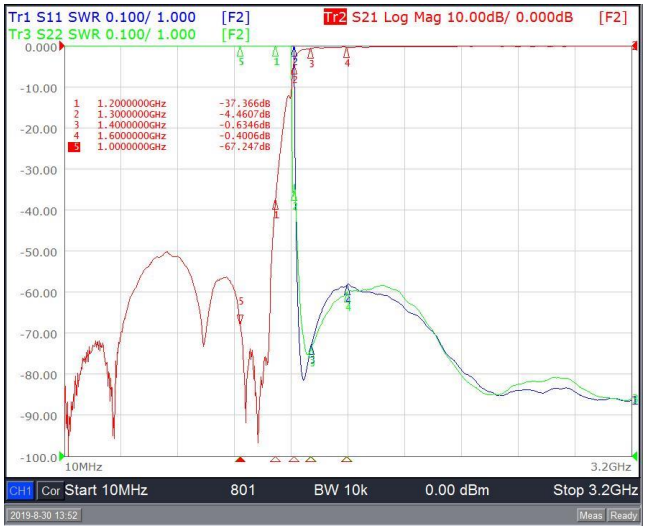
Insertion Loss: ≤1.0dB

Isolation: ≥50dB@DC-1200MHz,1400-3000MHz

Number of Sections: 7

Note: For more stringent rejection requirements,contact the company.





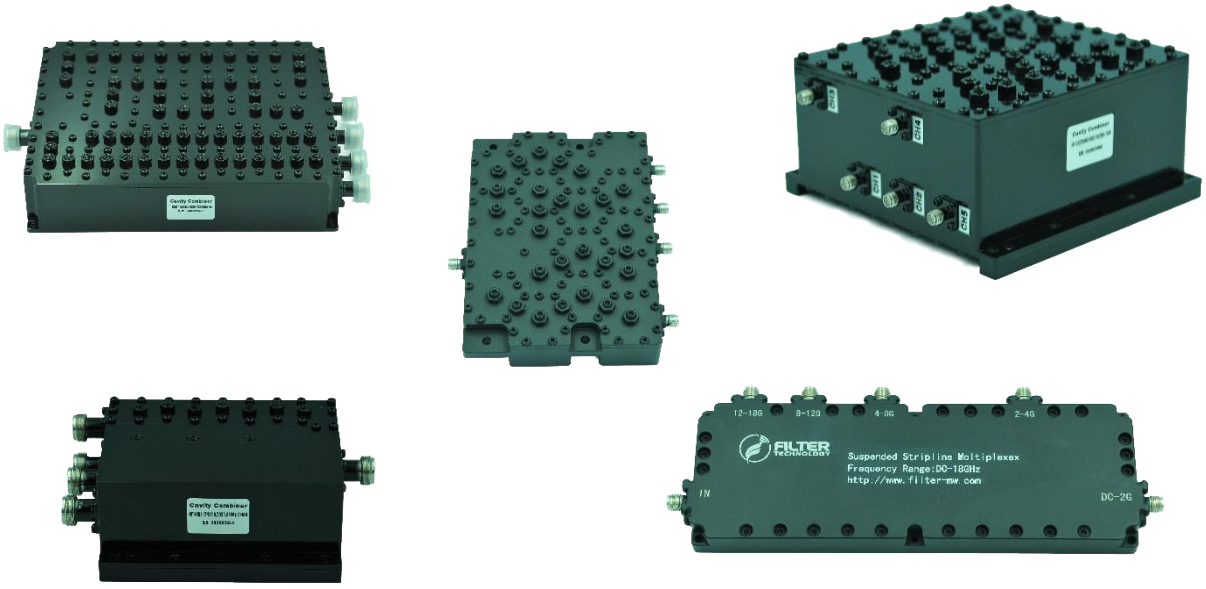
Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Combiners



Filter Technology offers a complete series of combiners provide passive signal processing for all standard wireless bands.Designs include cavity/coaxial, waveguide, micrstrip/stripline, lumped element topologies.

The frequency covers from DC to 50GHz for customers around the world.
It can also realize special request like waterproof, dustproof, DC pass and feed.

Custom Requirements

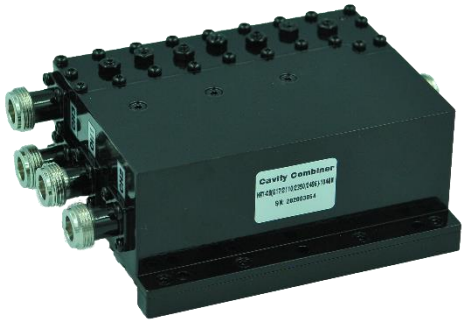
The customer needs to provide the center frequency,operating bandwidth,insertion loss,return loss,outband rejection,withstand power,connector type and installation environment of the filter.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Triplexer

Filter Technology's cavity combiners offer high performance in a low profile package.



FEATURES:

- Frequency Range: 100MHz to 40GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.1-40	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{CB}\,\underset{3}{(1550}\,/\underset{4}{1600}\,/\underset{5}{1800)}-\underset{6}{352}\,\underset{7}{S}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Combiners)
3	CH1 Center Frequency(MHz)
4	CH2 Center Frequency(MHz)
5	CH3 Center Frequency(MHz)
6	Model Number
7	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Quadruplexers

Filter Technology's cavity quadruplexers offer high performance in a low profile package.

FEATURES:

- Frequency Range: 100MHz to 40GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.1-40	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{CB}\,\underset{3}{(1550}\,/\underset{4}{1600}\,/\underset{5}{1750}\,/\underset{6}{1800)}\,-\underset{7}{1352}\,\underset{8}{N}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Combiners)
3	CH1 Center Frequency(MHz)
4	CH2 Center Frequency(MHz)
5	CH3 Center Frequency(MHz)
6	CH4 Center Frequency(MHz)
7	Model Number
8	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

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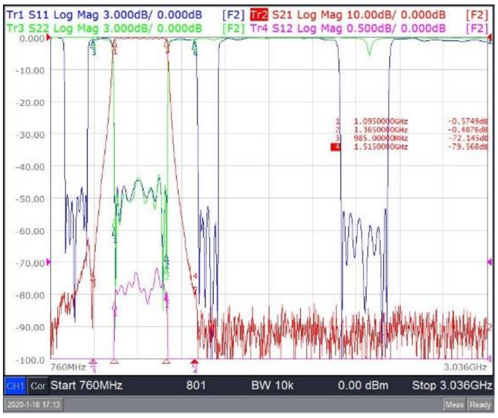
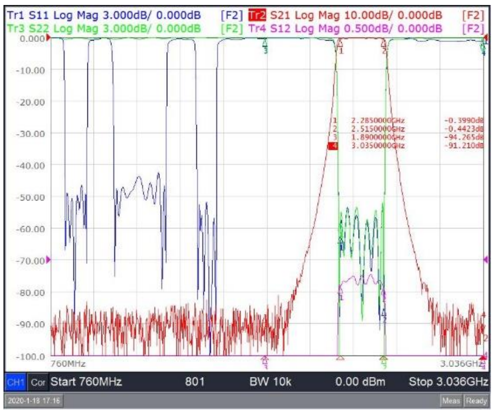
Cavity Quadruplexers

Example:

	COM—CH1	COM—CH2	COM—CH3	COM—CH4
Frequency Range:	838 ~ 950MHz	1095 ~ 1365MHz	1536 ~ 1627MHz	2285 ~ 2515MHz
Insertion Loss:	≤0.8dB	≤0.8dB	≤1.0dB	≤0.8dB
Ripple:	≤0.5dB	≤0.5dB	≤0.5dB	≤0.5dB
Return Loss:	≥12dB	≥12dB	≥12dB	≥12dB
Rejection:	≥60dB@765MHz ≥60dB@1040MHz	≥60dB@985MHz ≥60dB@1515MHz	≥60dB@1440MHz ≥60dB@1730MHz	≥60dB@1890MHz ≥60dB@3035MHz
Power handling:	150W CW			

Note: For more stringent rejection requirements,contact the company.





Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Multband Multiplexers

Filter Technology's cavity quadruplexers offer high performance in a low profile package.

FEATURES:

- Frequency Range: 100MHz to 40GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.1-40	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{CB}\,\underset{3}{(1550}\,/\underset{4}{1600}\,/\underset{5}{1750}\,/\underset{6}{1800)}-\underset{7}{1352}\,\underset{8}{N}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Combiners)
3	CH1 Center Frequency(MHz)
4	CH2 Center Frequency(MHz)
5	CH3 Center Frequency(MHz)
6	CH4 Center Frequency(MHz)
7	Model Number
8	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

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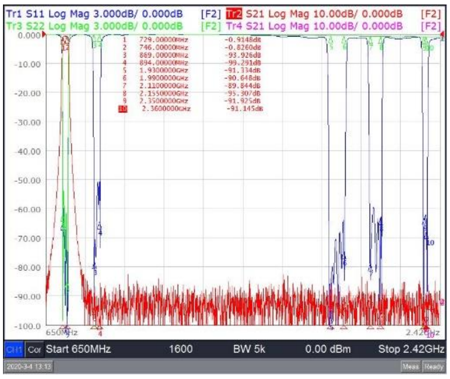
Filter Technology Co.,Ltd

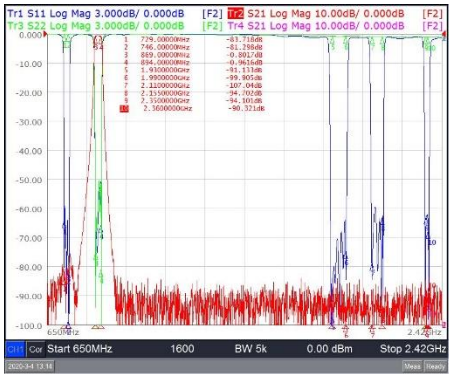
Cavity 5 Bands Multiplexers

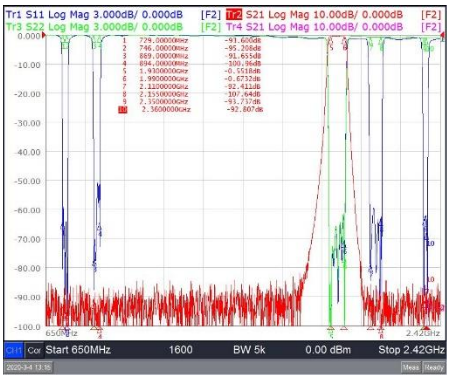
Example:

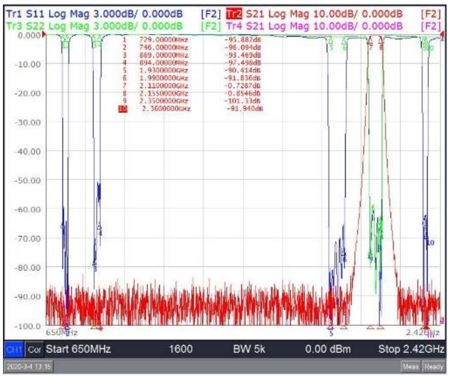
	COM—CH1	COM—CH2	COM—CH3	COM—CH4	COM—CH5
Frequency Range:	729 ~ 746MHz	869 ~ 894MHz	1930 ~ 1990MHz	2110 ~ 2155MHz	2350 ~ 2360MHz
Insertion Loss:	≤1.0dB	≤1.0dB	≤1.0dB	≤1.0dB	≤1.0dB
Return Loss::	≥15dB	≥15dB	≥15dB	≥15dB	≥15dB
Rejection:	≥80dB@CH2,CH3,CH4,CH5	≥80dB@CH1,CH3,CH4,CH5	≥80dB@CH1,CH2,CH4,CH5	≥80dB@CH1,CH2,CH3,CH5	≥80dB@CH1,CH2,CH3,CH4
Power handling:	100W(COM)				

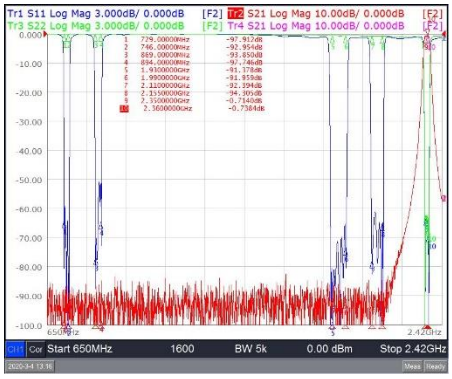
Note: For more stringent rejection requirements,contact the company.









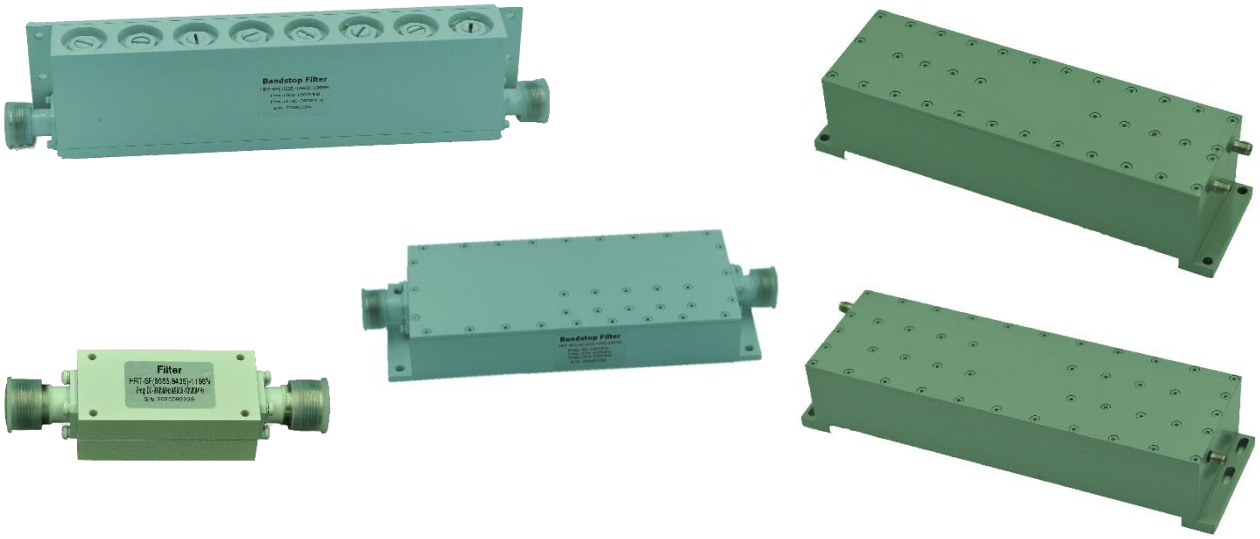


Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Filter Technology Co.,Ltd

Notch Filters



Filter Technology offers a complete series of notch filters provide passive signal processing for all standard wireless bands.Designs include cavity/coaxial, waveguide, micrstrip/stripline, lumped element topologies.

The frequency covers from DC to 50GHz for customers around the world.
It can also realize special request like waterproof, dustproof, DC pass and feed.

Custom Requirements

The customer needs to provide the center frequency,operating bandwidth,insertion loss,return loss,outband rejection,withstand power,connector type and installation environment of the filter.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Cavity Notch Filters

Filter Technology's cavity notch filters offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Frequency Range: 300MHz to 30GHz
- Miniature Aackage
- Designs Available in 2-18 Sections
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

SPECIFICATIONS:

Cut-off Frequency (GHz)	VSWR (Max)	Impedance (Ohms)	No. of Sections	Shock	Vibration	Temperature	Relative Humidity
0.3-20	1.5:1	50	2-19	20 G's, 1/2 Sine, 11 Ms	10G's,10Hz-2000Hz	-55℃ to +85℃	0-95%

TO ORDER

$$\underset{1}{HRT}-\underset{2}{SF}\,\underset{3}{(1525}/\underset{4}{1660)}-\underset{5}{1065}\,\underset{6}{N}$$

MODEL DESIGNATION

Code	Description
1	Company Code
2	Series(Bandpass filters)
3	Start Notch Frequency(MHz)
4	Cut-off Notch Frequency(MHz)
5	Model Number
6	Connector Code

CONNECTOR CODE CHART

Connector Style	Code
SMA Female	SF
SMA Male	SM
N Female	NF
N Male	NM
2.92 mm Female	KF
2.92 mm Male	KM
TNC Female	TF
TNC Male	TM

Cavity Notch Filters

Example:

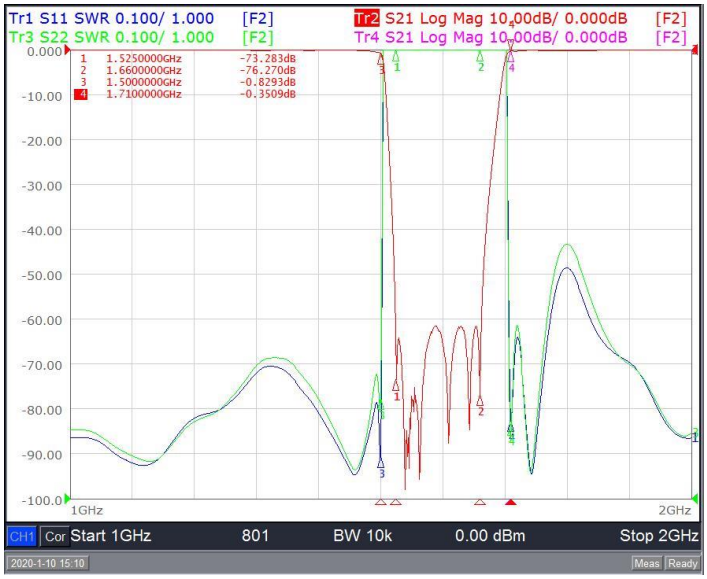
Pass Band Frequency: 500-1500MHz & 1710-2600MHz

Insertion Loss: ⩽1.7dB

Rejection: ⩾60dB@1525-1660MHz

Number of Sections: 8

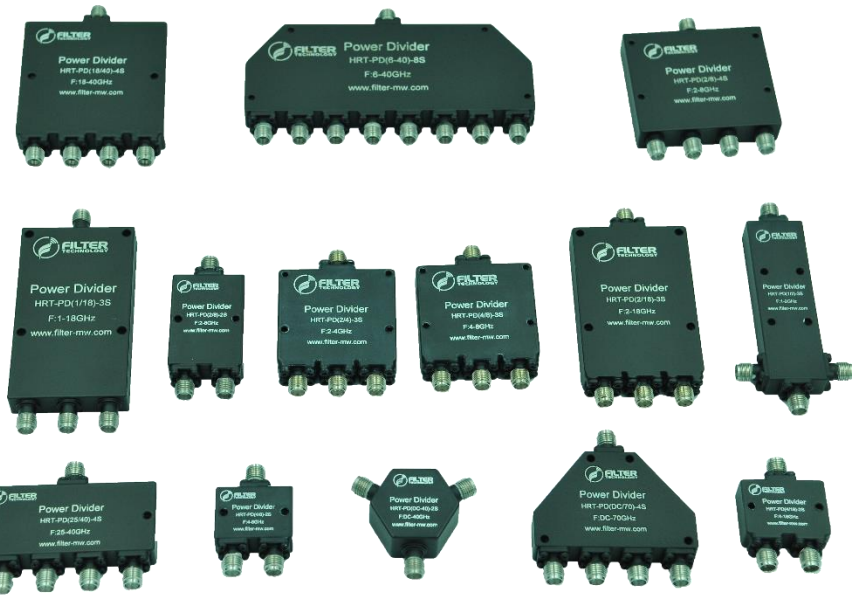
Note: For more stringent rejection requirements,contact the company.



Mechanical:

The mechanical dimensions and mounting hole location are dependent upon the design parameters specified by the customer.Please contact Filter Technology for details.

Power Divides



A power divider will split an input signal into two or more equal and identical signals.It can also be used as a power combiner,where the common port is the output and the two or more eaual power ports are used as the inputs.Important specifications when used as a power divider include the insertion loss,return loss,amplitude and phase balance between arms.

Filter Technology offers a comprehensive selection of 2-way through 32-way power dividers in SMA,N,TNC,BNC and 7/16 DIN connector style for frequency from DC to 70GHz.

Custom Requirements

The customer needs to provide the center frequency,operating bandwidth,insertion loss,return loss,outband rejection,withstand power,connector type and installation environment of the filter.

Filter Technology Co.,Ltd

Microstrip Power Divides

Filter Technology's microstrip power dividers offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Customized Frequency Range: 0.5 to 40GHz
- Customized Split: 2-way to 32-way
- Power Handling: 30W cw max
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

Freq. Range (GHz)	Splits	Insertion Loss (dB Max)	VSWR (Max)		Isolation (dB Min)	Amplitude Unbalance (dB Max)	Phase Unbalance (° Max)	Forward Power (W)
			Input	Output				
0.5-6	2-way	1.2	1.25	1.25	20	±0.2	±3	30
	4-way	2.0	1.35	1.25	18	±0.4	±5	30
	8-way	3.2	1.50	1.30	18	±0.4	±6	30
0.5-18	2-way	0.9	1.60	1.40	16	±0.3	±5	30
	4-way	2.5	2.00	1.50	16	±0.4	±8	30
	8-way	6.5	2.00	1.70	13	±0.8	±12	30
1-18	2-way	1.2	1.50	1.40	16	±0.3	±5	30
	4-way	2.8	1.65	1.50	16	±0.5	±6	30
	8-way	4.0	1.80	1.50	15	±0.5	±10	30
2-18	2-way	1.2	1.50	1.50	18	±0.5	±5	30
	4-way	1.8	1.65	1.60	16	±0.4	±6	30
	8-way	3.5	1.80	1.50	15	±0.5	±10	30
6-18	2-way	0.8	1.50	1.50	18	±0.4	±5	30
	4-way	1.2	1.50	1.50	16	±0.5	±5	30
	8-way	2.0	1.60	1.60	16	±0.8	±10	30
6-40	2-way	1.3	1.70	1.50	16	±0.4	±5	30
	4-way	2.0	2.00	1.60	15	±0.5	±8	30
	8-way	3.2	2.20	1.60	15	±0.5	±8	30
18-40	2-way	1.5	1.60	1.60	16	±0.4	±5	30
	4-way	1.6	1.80	1.60	16	±0.4	±8	30
	8-way	2.5	2.00	1.80	16	±0.5	±6	30
26.5-40	2-way	1.3	1.60	1.50	16	±0.3	±4	30
	4-way	2.0	1.70	1.60	15	±0.4	±8	30
	8-way	2.8	2.00	1.60	16	±0.5	±6	30
1-40	2-way	2.2	2.00	1.70	15	±0.5	±8	30
	4-way	5.2	2.20	1.80	14	±0.8	±12	30

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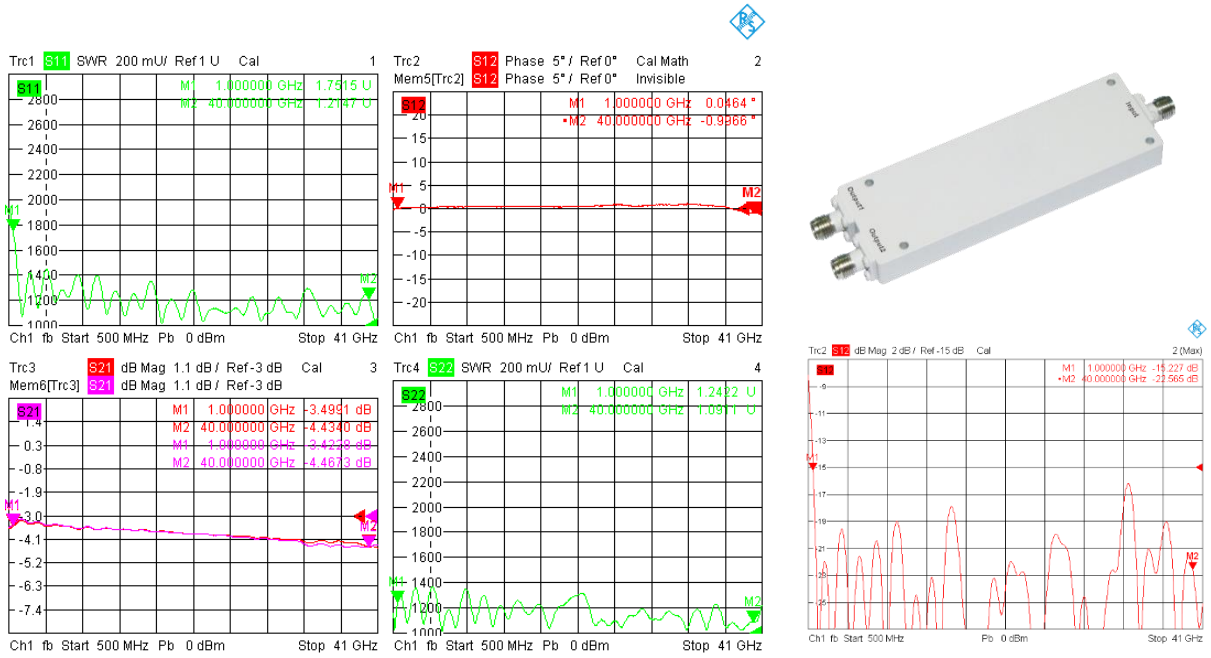
Filter Technology Co.,Ltd

Microstrip Power Divides

Example:

Frequency Range	1000-40000MHz
Nominal Splitter Loss	3dB
Insertion Loss	2.2dB Max 2.0dB Typ
VSWR	2.0(Input Max), 1.7(Output Max)
Isolation	15dB
Amplitude Unbalance	±0.5dB Max
Phase Unbalance	±8° Max
Impedance	50 Ohms
Connectors	2.92-Female
Power Handling	Forward Power(20W), Reverse Power(1W), Peak Power(200W)
Operating Temperature	-45°C ~ +85°C



Note: For more requirements,contact the company.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Resistive Power Divides

Filter Technology's resistive power dividers offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Customized Frequency Range: DC to 70GHz
- Customized Split: 2-way to 8-way
- Power Handling: 1W cw max
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

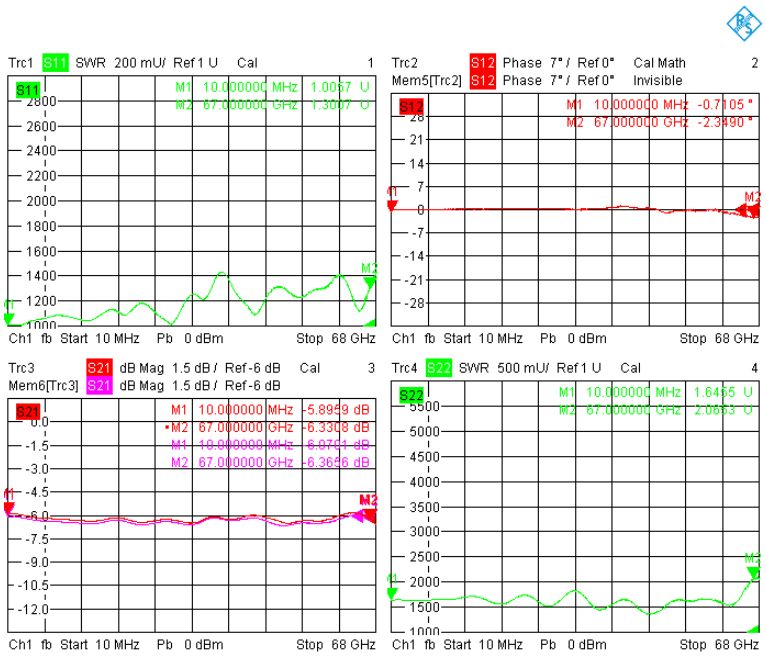
Freq. Range (GHz)	Splits	Insertion Loss (dB Max)	VSWR (Max)		Isolation (dB Min)	Amplitude Unbalance (dB Max)	Phase Unbalance (° Max)	Forward Power (W)
			Input	Output				
DC-3	2-way	6±0.7	1.25	1.25	6.5	±0.7	±2	1
DC-6	2-way	6±1.2	1.30	1.30	6.0	±0.5	±3	1
DC-18	2-way	6±1.8	1.60	2.50	5.0	±0.6	±6	1
DC-26.5	2-way	6±1.5	1.50	2.50	10.0	±0.3	±4	1
DC-40	2-way	6±1.5	1.50	2.00	11.0	±0.4	±5	1
DC-50	2-way	6±1.8	1.90	3.00	10.0	±0.8	±7	1
DC-67	2-way	6±3.0	1.85	3.00	12.0	±0.6	±8	1

Filter Technology Co.,Ltd

Resistive Power Divides

Example:

Frequency Range	DC-67000MHz
Nominal Splitter Loss	6.0dB
Insertion Loss	3.0dB Max
VSWR	1.85(Input Max), 3.0(Output Max)
Isolation	12dB
Amplitude Unbalance	±0.8dB Max
Phase Unbalance	±8° Max
Impedance	50 Ohms
Connectors	1.85-Female
Power Handling	Forward Power(1W), Reverse Power(0.5W)



Note: For more requirements,contact the company.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Directional Coupler

Filter Technology's directional coupler offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Customized Frequency Range: 0.5 to 70GHz
- Customized Coupling: 6dB to 30dB
- Power Handling: 30W cw max
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

Freq. Range (GHz)	Coupling (dB)	Insertion Loss (dB Max)	VSWR	Directivity (dB)	Average Power(W)
0.4-6	10±1.2	1.0	1.50	12	30
	20±1.2	1.0	1.50	12	30
	30±1.5	1.0	1.50	10	30
0.8-2.5	10±0.5	0.8	1.20	20	30
	20±0.5	0.4	1.20	20	30
	30±0.5	0.3	1.20	20	30
1-4	10±1.0	0.8	1.25	20	30
	20±1.0	0.5	1.25	20	30
	30±1.0	0.3	1.25	20	30
2-8	10±1.0	0.8	1.30	20	30
	20±1.0	0.4	1.30	20	30
	30±1.0	0.3	1.30	20	30
2-18	10±1.0	1.0	1.60	12	30
	20±1.0	1.0	1.60	12	30
	30±1.0	1.0	1.60	10	30
6-18	10±1.0	1.0	1.50	12	30
	20±1.0	0.8	1.50	12	30
	30±1.0	0.8	1.50	10	30
0.5-18	10±1.5	2.0	1.70	10	30
	20±1.5	2.0	1.70	10	30
6-26.5	10±1.5	0.7	1.60	13	10
	20±1.5	0.8	1.60	13	10
	10±1.5	1.2	1.70	10	10
6-40	20±1.5	1.2	1.70	10	10
	10±1.0	0.8	1.25	20	30
2-40	10±1.5	1.8	1.70	10	10
	20±1.5	1.6	1.70	10	10
1-40	10±1.5	2.0	1.70	10	10
	20±1.5	1.6	1.70	10	10
1-67	10±3.5	3.8	1.90	8	20

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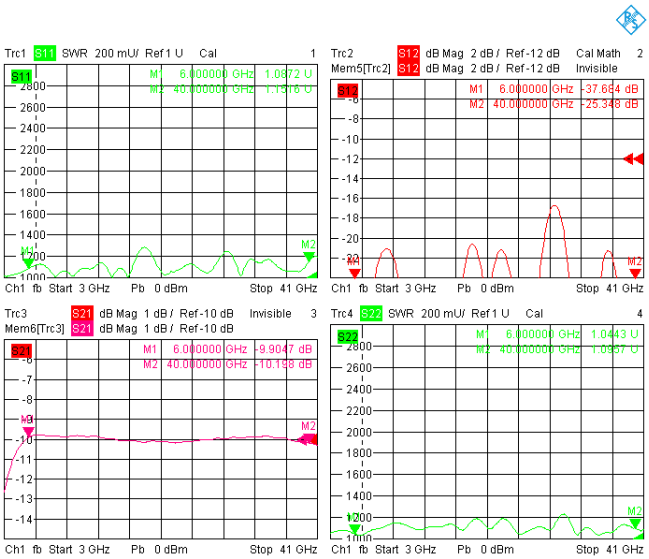
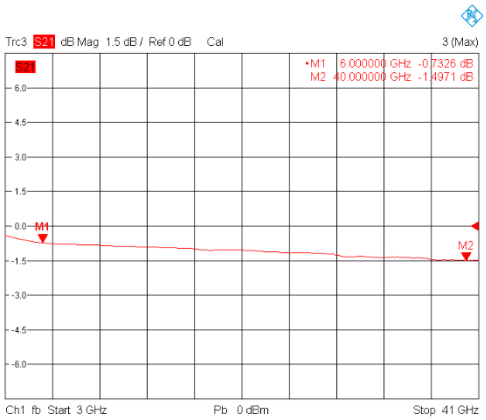
Filter Technology Co.,Ltd

Directional Coupler

Example:

Electrical Specifications			
Parameter	**Unit**		**Specification**
Frequency Range:	MHz		6000-40000
Nominal Coupling:	dB	Typ	10
Coupling Accuracy:	dB	Max	±1.0
Frequency Sensitivity:	dB	Max	±1.0
Directivity:	dB	Min	10
Insertion Loss: (Excl Coupling)	dB	Max	1.4
VSWR Primary:	/	Max	1.6:1
VSWR Secondary:	/	Max	1.6:1
Power Handling:	W	Max	30 Watt(Forward Power)





Note: For more requirements,contact the company.

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Filter Technology Co.,Ltd

Hybrid Coupler

Filter Technology's hybrid coupler offer superior performance in a small package for a wide range bandwidth applications.

FEATURES:

- Customized Frequency Range: 0.5 to 40GHz
- Customized 90 degree and 180 degree
- Power Handling: 30W cw max
- Waterproof and Dustproof Can be Achieved
- Custom Package and Color Designs Avaiable
- Contact the Sales for Custom Designs

Freq. Range (GHz)	Phase Balance	Insertion Loss (dB Max)	VSWR	Isolation (dB)	Amp. Unbalance (dB)	Phase Unbalance (Degree)
1-6	90 Degree	1.2	1.4	15	±0.9	±6
1-18	90 Degree	1.5	1.6	15	±1.0	±12
2-8	90 Degree	0.8	1.25	20	±0.7	±6
2-18	90 Degree	1.3	1.6	16	±0.7	±10
2-40	90 Degree	2.5	2.0	10	±1.5	±12
4-18	90 Degree	0.35	1.3	18	±0.5	±3
6-18	90 Degree	1.0	1.5	16	±0.6	±5
6-26.5	90 Degree	2.5	2.0	10	±1.5	±10
18-40	90 Degree	2.5	1.8	12	±0.9	±12
1-18	180 Degree	3.8	1.9	12	±1.6	±15
2-18	180 Degree	2.3	1.8	15	±1.0	±12
6-26.5	180 Degree	2.8	1.8	8	±1.2	±12

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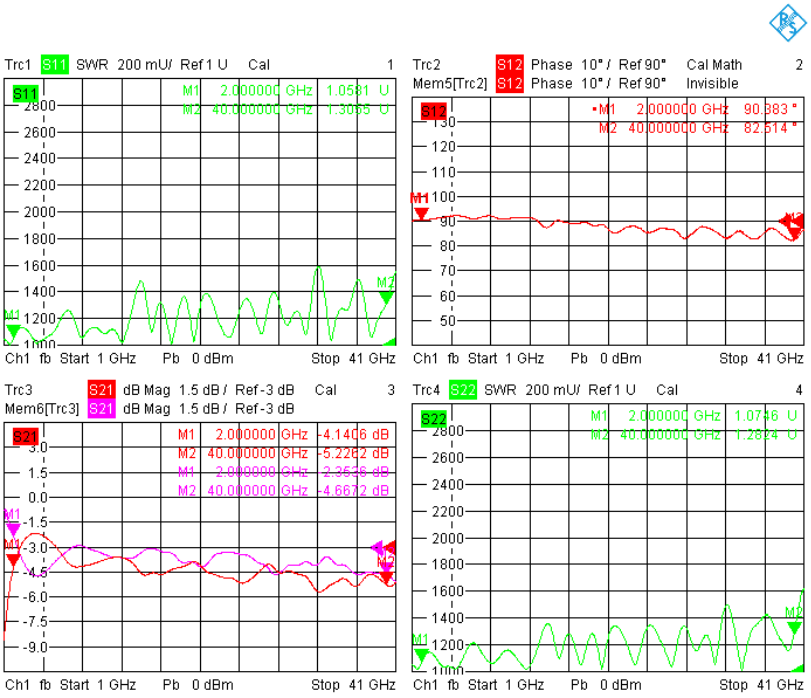
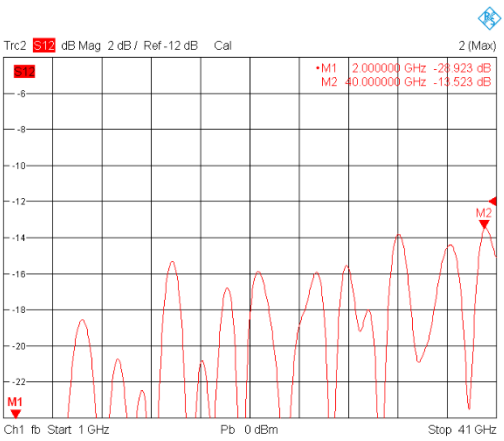
Filter Technology Co.,Ltd

Hybrid Coupler

Example:

Frequency Range:	2000-40000MHz
Nominal Coupling:	3dB Typ
Insertion Loss:	2.5dB Max
Isolation:	10dB Min; 12dB Typ
Amplitude Unbalance:	±1.5dB Max
Phase Unbalance:	±12°Max
VSWR:	2.0 Max
Power Rating:	20W(Average) ; 0.2KW(Perk)
Impedance:	50 Ohms
Operating Temperature:	-45 to +85℃
Connector:	2.92-Female
Surface Finish:	Black





Note: For more requirements,contact the company.

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

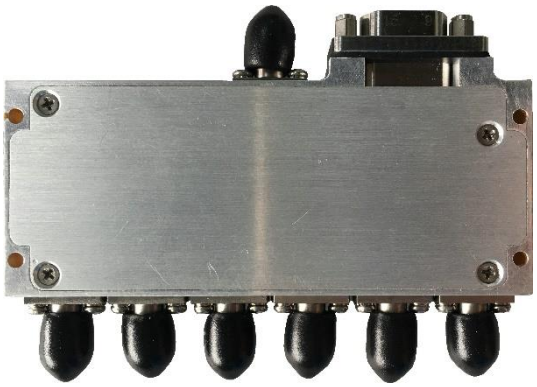
Filter Technology Co.,Ltd

PIN Switch

Filter Technology offers a wide selection of pin-diode switches covering frequencies from 10 MHz to 20 GHz. Filter Technology offers these switches in reflective or absorptive configurations. All standard switches are equipped with a high-speed TTL driver. Switches are offered with variety of options to choose from. Custom make switches are available on special order.

FEATURES:

- Customized Frequency Range: 0.1 to 20GHz
- High Isolation and High Speed
- Reflective or Absorptive
- All types SPST,SPDT,…..SPNT,DPDT and so on
- Contact the Sales for Custom Designs



Freq. Range (GHz)	Termination	Configuration	Insertion Loss (dB Max)	VSWR	Isolation (dB min)	Swithc Speed (ns max)	Power Handling (W max)
0.5-2	Reflective	SPST	0.6	1.4	60	200	2
1-4	Reflective	SPST	1.0	1.5	60	100	2
2-8	Reflective	SPST	1.4	1.6	60	100	2
8-12	Reflective	SPST	1.8	1.8	60	80	2
6-18	Reflective	SPST	2.0	2.0	60	80	2
2-18	Reflective	SPST	2.2	2.2	60	80	2

Freq. Range (GHz)	Termination	Configuration	Insertion Loss (dB Max)	VSWR	Isolation (dB min)	Swithc Speed (ns max)	Power Handling (W max)
0.5-2	Reflective	SPDT	1.0	1.4	60	200	2
1-4	Reflective	SPDT	1.2	1.5	60	100	2
2-8	Reflective	SPDT	1.8	1.6	60	100	2
8-12	Reflective	SPDT	2.0	1.8	60	80	2
6-18	Reflective	SPDT	2.6	2.0	60	80	2
2-18	Reflective	SPDT	2.8	2.2	60	80	2

E-Mail: sales@filter-mw.com More Porducts: www.filter-mw.com

Filter Technology Co.,Ltd

Coaxial Isolators & Circulators

Filter Technology offers isolators and circtlators in both N & SMA-Female connectors with average power ratings up to 500 watts.

FEATURES:

- Low Insertion Loss
- High power handling up to 50W
- High isolation within operational band
- Stable performance over temperature
- Contact the Sales for Custom Designs

Freq. Range (GHz)	Insertion Loss (dB max)	Isolation (dB min)	VSWR	Forward Power (W max)	Reverse Power (W max)
0.4-0.47	0.4	20	1.25:1	100	20
0.7-1.0	0.5	18	1.30:1	100	20
0.95-2.0	0.7	16	1.40:1	100	20
1.0-1.5	0.6	15	1.45:1	100	20
1.8-2.2	0.4	20	1.25:1	100	20
2.0-4.0	0.6	18	1.30:1	100	10
3.0-6.0	0.5	18	1.35:1	60	20
4.0-8.0	0.6	18	1.35:1	50	10
8.0-18	1.4	12	1.60:1	50	10