



Cavity Filter

- ◆ High Rejection
- ◆ Low Insertion Loss
- ◆ Miniaturization
- ◆ Excellent Reliability
- ◆ Customization available

The HRT-BF(2537.5/105)-1282S is a cavity band pass filter. The pass band is 2485-2590MHz. It has excellent rejection $\geq 70\text{dB}@2855-4000\text{MHz}$. It has a maximum insertion loss of 2.0dB. The HRT-BF(2537.5/105)-1282S has SMA-Female connectors.



Electrical Specifications			
Parameters	Units		Specifications
Center Frequency	MHz		2537.5
Pass Band Frequency	MHz		2485-2590
Insertion Loss	dB	Max	2.0
Pass Band Flatness	dB	Max	0.25
Return Loss	dB	Min	20
Group Delay Variation	ns	Max	3.0 (in any 30MHz)
Phase Matching	deg	Max	TBD
Rejection	$\geq 70\text{dB}@2855-4000\text{MHz}$, $\geq 50\text{dB}@4000-7000\text{MHz}$, $\geq 70\text{dB}@350\text{MHz}$		
Power Handling	20W cw max		

50 ohms Coaxial Cavity Band Pass Filter

SN:2256-210219

Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	SMA-Female (50Ω)	Operating Temp.	-40°C to +70°C
Output Connectors	SMA-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminum (6061)	Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
Weight(Kg)	TBD		
Surface Finish	Black Painted	Humidity	95%RH at 40°C
Shock	20G for 11msec half sine wave,3 axis both directions		
Note			

Outline Drawing:

All Dimensions in mm (inches)

Outline Tolerances ±0.3(0.012)



