



### Cavity Filter

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

The HRT-BF(2592.5/195)-1312N is a cavity band pass filter. The pass band is 2495-2690MHz. It has excellent rejection  $\geq 20\text{dB}@2200-2340\text{MHz}\&2860-3000\text{MHz}$ . It has a maximum insertion loss of 0.5dB. The HRT-BF(2592.5/195)-1312N has SMA-Female connectors.



Electrical Specifications			
Parameters	Units		Specifications
Center Frequency	MHz		2592.5
Pass Band Frequency	MHz		2495-2690
Insertion Loss	dB	Max	0.5
Pass Band Flatness	dB	Max	0.2
Return Loss	dB	Min	16
Group Delay	ns	Max	TBD
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 20\text{dB}@2200-2340\text{MHz}$ , $\geq 20\text{dB}@2860-3000\text{MHz}$		
Power Handling	20W cw max		

**50 ohms Coaxial Cavity Band Pass Filter**

SN:2285-210322    Version: A0

Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors	N-Female (50Ω)	Operating Temp.	-40°C to +70°C
Output Connectors	N-Female (50Ω)	Storage Temp.	-55°C to +85°C
ROHS	Yes	Environment Class	TBD
Material	Aluminum (6061)	Altitude	30,000 ft.
Weight(Kg)	0.20		(Epoxy Sealed Controlled environment)
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)



