



### Cavity Filter

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

The HRT-BF(2300/200)-1086N is a cavity band pass filter. The pass band is 2200-2400MHz. It has excellent rejection  $\geq 40\text{dB}@2150\text{MHz}$ ,  $\geq 40\text{dB}@2450\text{MHz}$ . It has a maximum insertion loss of 0.75dB. The HRT-BF(2300/200)-1086N has N-Female connectors.



### Electrical Specifications

Parameters	Units		Specifications
Center Frequency	MHz		2300
Pass Band Frequency	MHz		2200-2400
Insertion Loss	dB	Max	0.75
Pass Band Flatness	dB	Max	TBD
Return Loss	dB	Min	15
Group Delay Variation	ns	Max	TBD
Phase Matching	deg	Max	TBD
Rejection	$\geq 40\text{dB}@2150\text{MHz}$ , $\geq 40\text{dB}@2450\text{MHz}$		
Power Handling	10W cw max		

**50 ohms Coaxial Cavity Band Pass Filter**

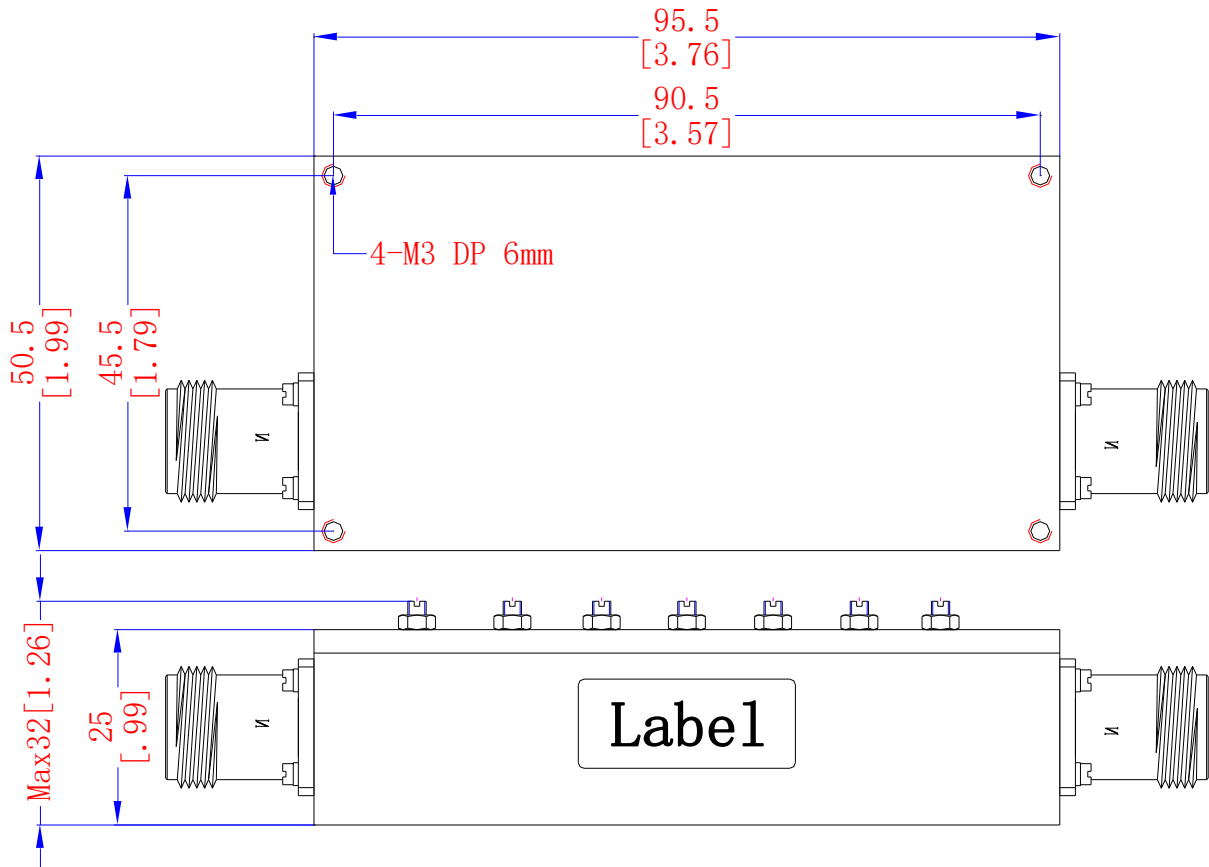
SN:2061-191119 Version: A0

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)	TBD		(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)



**Test Plot**
