
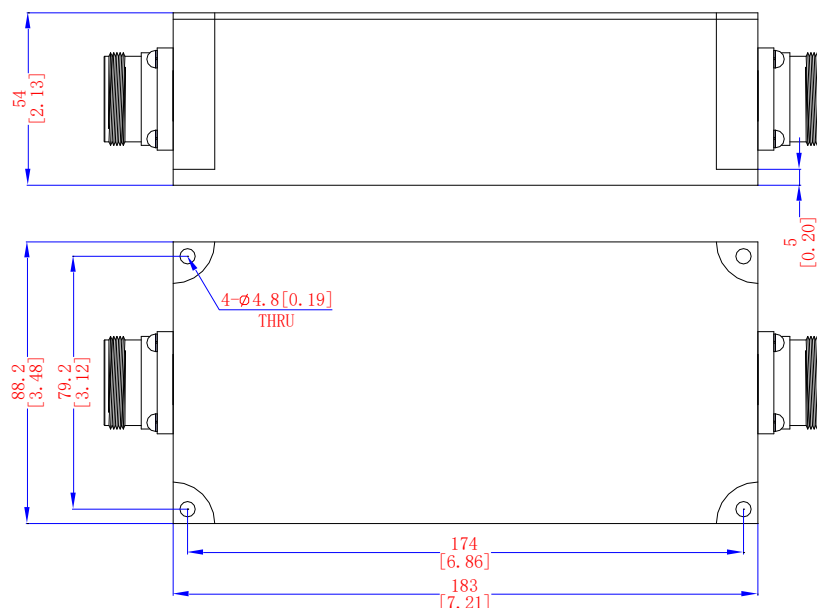


HRT-BF(854/60)-1130D-- Cavity Bandpass Filter

Electrical Specifications			Product Picture
Parameter	Unit	Specification	
Center Frequency(Fc):	MHz	854	
Frequency Range:	MHz	824-884	
Insertion Loss:	dB	Max 0.65@839MHz; 1.50@884MHz	
Ripple:	dB	Max TBD	
VSWR:	/	Max 1.25:1	
Group delay Variation:	ns	Max TBD	
Power Handling:	100W CW Max		
Rejection:	≥50dB@890-960MHz		
Mechanical Specifications		Environmental Specification	
Parameter	Specification	Parameter	Specification
Input Connectors:	DIN-Female(50Ω)	Operating Temp.	-40°C to +60°C
Output Connectors:	DIN-Female(50Ω)	Storage Temp.	-55°C to +95°C
Size Tolerance:	As Below(±0.3mm)	Environment Class:	IP67
ROHS:	Yes	Altitude:	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment)(Optional)
Material:	Aluminum	Humidity:	95%RH at 40°C
Weight(Kg):	TBD	Shock:	20G for 11msec half sine wave,3 axis both directions
Surface Finish:	Black Painted		
Note:			

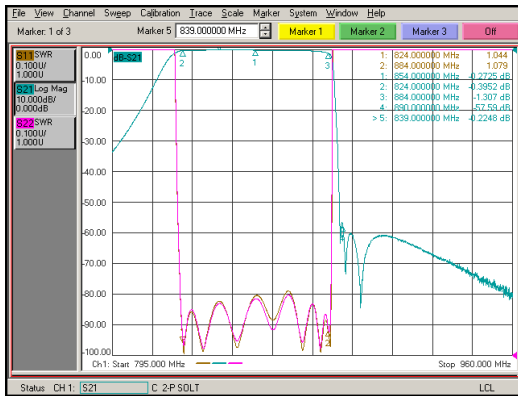
Configuration:



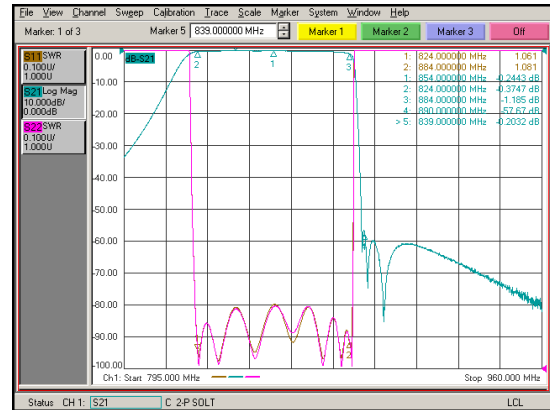
Test Report	Band Pass Filter	Model Number:		Serial Number
	Cavity Structure Design	HRT-BF(854/60)-1130D		
	Total Quantity:	Customer Order NO.:		202004026
Invoice No.:			Customer:	
Shipping Date:			Ship to:	
Net Weight:	1.38 Kg			

Specifications	Test Data			
	+14 °C	-40 °C	+65 °C	
Frequency Range:	824-884MHz	824-884MHz	824-884MHz	824-884MHz
Insertion Loss:	≤0.65dB @839MHz	0.22	0.20	0.25
	≤1.50@884MHz	1.30	1.37	1.34
VSWR:	≤1.25:1	1.21	1.20	1.21
Rejection:	≥50dB@890-960MHz	57	57	57
Power Handling:	100W cw max	✓		
Operating Temp.:	-40°C to +65°C	✓		
Environment Class:	IP67	✓		
Connectors:	DIN-Female(50 ohms)	✓		
Dimensions:	183mm*88.2mm*54mm	✓		

Test Plots



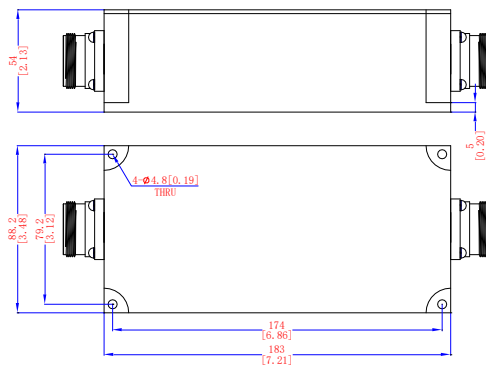
+14 °C (Temp. on the test day)



-40 °C



+65 °C



Mechanical Specifications