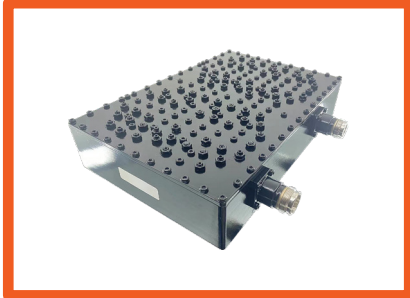


UHF Band Cavity Filter (Duplexer)

JFCD0703T0803MDF

Description:

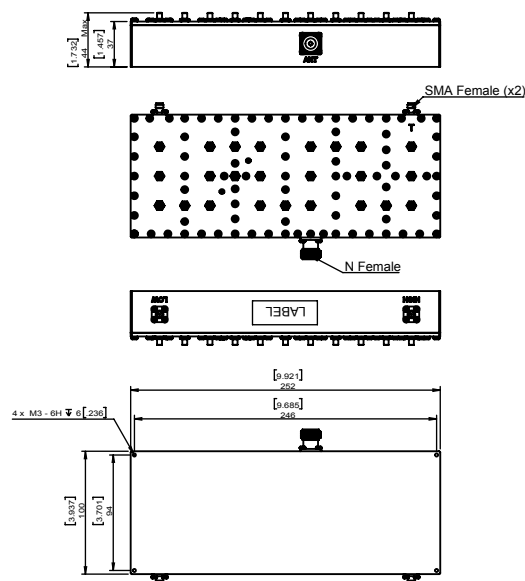


JFCD0703T0803MDF is a duplexer cavity filter in the frequency 703~748 MHz (Low) & 758~803 MHz (High). The device is extremely stable over the temperature range of -20°C to +90°C, with maximum insertion loss of 2.0dB || 1.8dB and minimum return loss of 18.0dB || 15.0dB. It can handle input Power(Watt) of 75 RMS ; 500 Peak

Electrical Specification

ITEM	SPECIFICATIONS	
	RX	TX
Frequency(MHz)	703~748	758~803
Insertion Loss(dB)	2.0 Max	1.8 Max
Ripple over band(dB)	/	1.7 Max@-10 ~ +85°C
Return Loss(dB)	18 Min 15 Min@1 MHz inwards	18 Min 15 Min@1 MHz inwards from both edges
Impedance(Ω)	50	
Rejection(dB)	30 Min@10~686MHz 70 Min@757~3000MHz	70 Min@DC~750MHz 10 Min@810~3000MHz
Isolation(dB)	95 Min 65 Min from any port to any port (Cross Isolation)	
Power(W)	75 RMS ; 500 Peak	
Group Delay(nS)	160 Max 80 Max@over any 5MHz segment	180 Max 90 Max@over any 5MHz segment
PIM(dBm)	105 Min @ TX output power is 43dBm	
Lightning Protection	20KA , 10/350 μ s	
Operating Temp.(°C)	-20~+90	
Connector	ANT Ports : 4.3-10 Female (IP67) RX&TX Ports : SMA Female	
Notes		

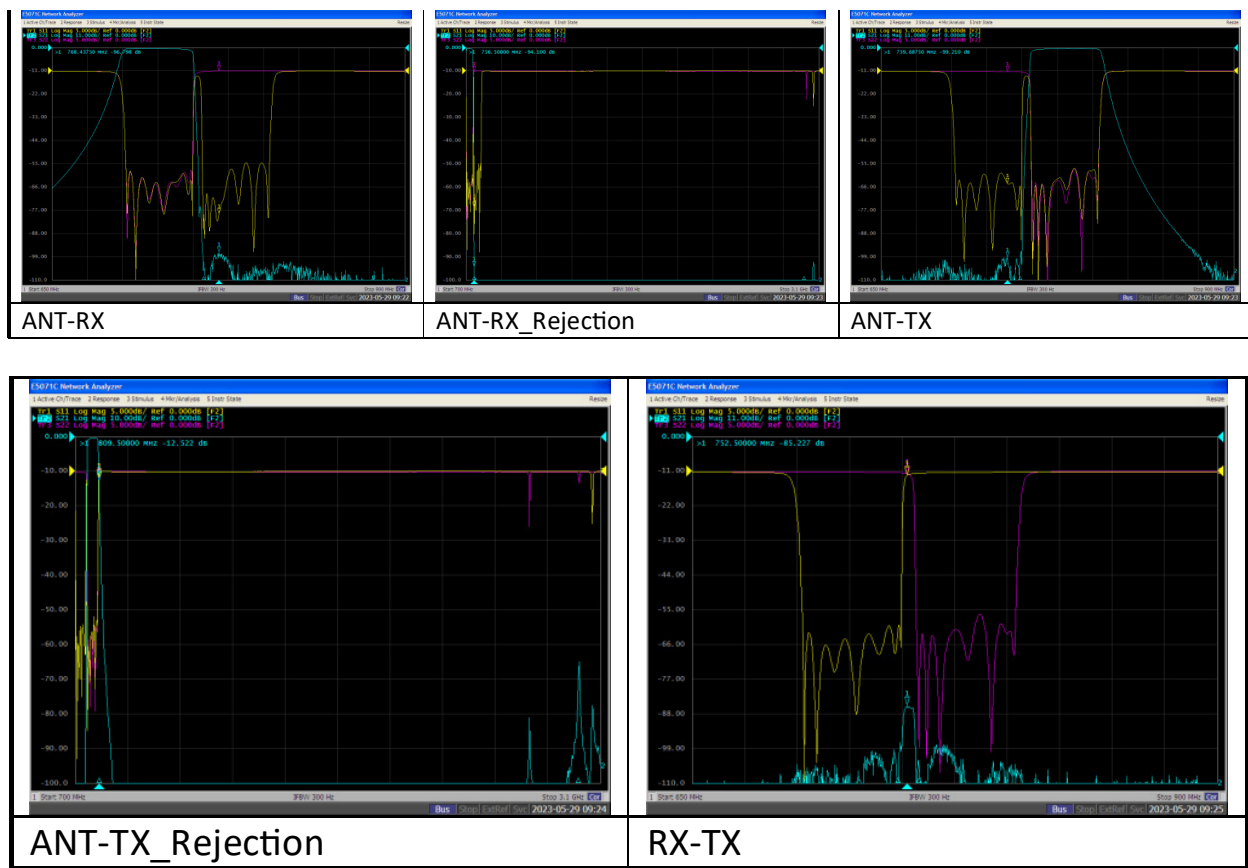
Outline



UHF Band Cavity Filter (Duplexer)

JFCD0703T0803MDF

Test Data



Applications

- Telecom