

Combine/Cavity Filter - Model 8906

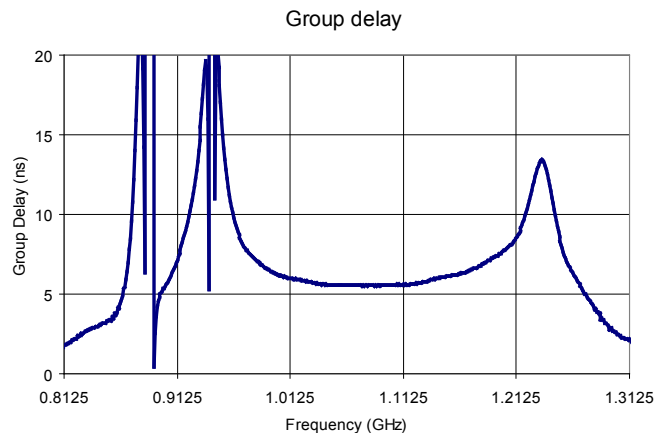
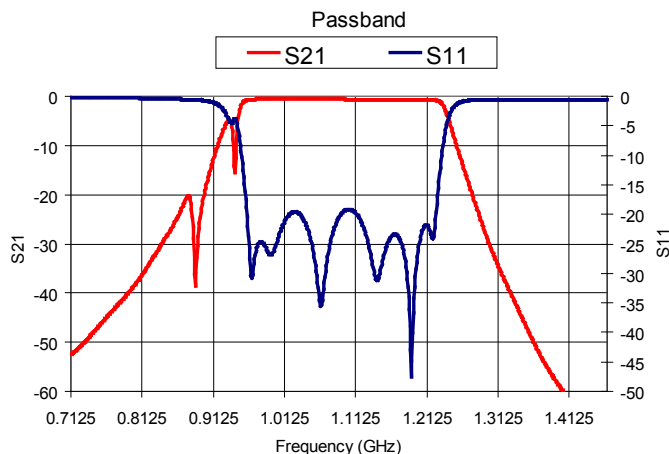
2.750 x 1.267 x 0.630 inch - High Power Evanescent Mode Combine Filter



The Evanescent Mode Combine Filter design was created to meet and exceed our customer requirements. This filter provides the highest possible Q in the smallest possible package size while maintaining broadband rejection. The Evanescent Mode Combine Filters can be designed from 100 MHz to 20 GHz (center frequency), bandwidths from 1% to 80% and are also available with a full range of connectors.

PRODUCT HIGHLIGHTS

- Broadband Rejection
- High Power Handling
- Tight Cutoff
- Compact Design
- Hermetic



Mechanical Dimensions		2.750 x 1.267 x 0.630 inches		L x W x H
Electrical Specification	PARAMETER			Units
	Passband	962	1213	MHz
	Passband IL	0.8		dB
	Passband Ripple	0.1		dB
	Passband VSWR	1.25:1		
	Passband Group Delay	2	969 to 1206	ns, MHz
	Passband Group Delay	2.75	962 to 1213	ns, MHz
	Stop Band Rejection	-8 dBc	944	MHz
	Stop Band Rejection	-19 dBc	900	MHz
	Stop Band Rejection	-5.5 dBc	1250	MHz
	Stop Band Rejection	-50 dBc	DC to 600	MHz
	Stop Band Rejection	-50 dBc	1484 to 14000	MHz
Environmental	Power Rating	300 Watts @ 20% duty cycle		Watt
	Vibration	MIL-F-18327 & MIL-STD-202, Method 214, Test Condition I, Letter D		11.95 G rms
	Shock	MIL-F-18327 & MIL-STD-202, Method 107, Test Condition A		50 g's Peak
	Thermal Shock	MIL-STD-18327 & MIL-STD-203, Method 107, Test Condition A		-55 to 85°C
	Immersion	MIL-STD-18327 & MIL-STD-202, Method 104, Test Condition A		15 min fresh water
	Moisture Resistance	MIL-STD-18327 & MIL-STD-202, Method 106		1 week
	Life	MIL-STD-18327 & MIL-STD-202, Method 108		96 Hours @ +70°C
	Resistance to Solvents	MIL-STD-18327 & MIL-STD-202, Method 215		

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