

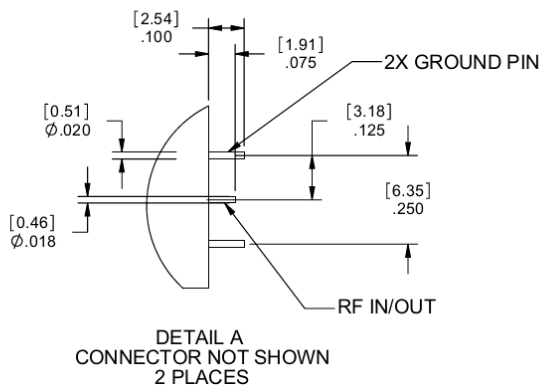
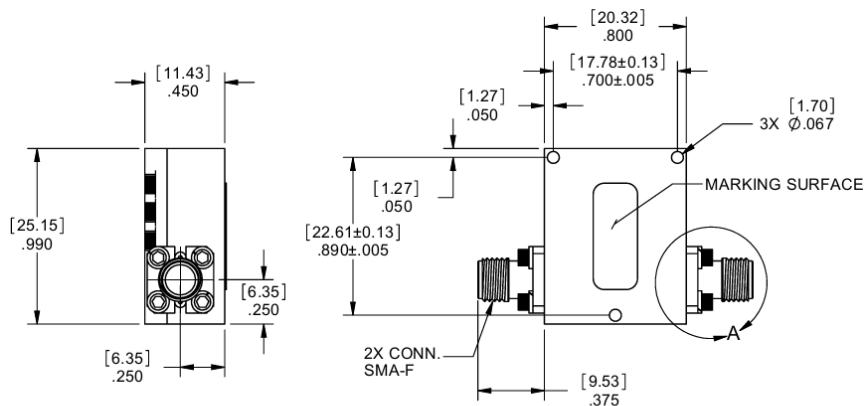
Cavity Bandpass Filter

Features/Benefits

- Cavity Filter
- SMA-F Field Replaceable Connectors
- Made in U.S.A.



Parameter	Specification
Center Frequency (Fo)	8150 MHz
Passband	0.5 dB from 7900 MHz to 8400 MHz
Return Loss	15 dB from 7900 MHz to 8400 MHz
Insertion Loss	0.5 dBa max @ 8150 MHz
Rejection	-70 dBc min @ 6450 MHz -90 dBc min @ 6950 MHz
Group Delay (ns)	0.1ns max per MHz from 6450 MHz to 6950 MHz
Temperature, Operating	-30°C to +60°C
Temperature, Storage	-55°C to +125°C
Temperature, Soldering	+215°C MAX (use convective reflow)
Mechanical Dimensions	0.800 x 0.990 x 0.450 inches [20.32 x 25.15 x 11.43 mm] (L X W X H)



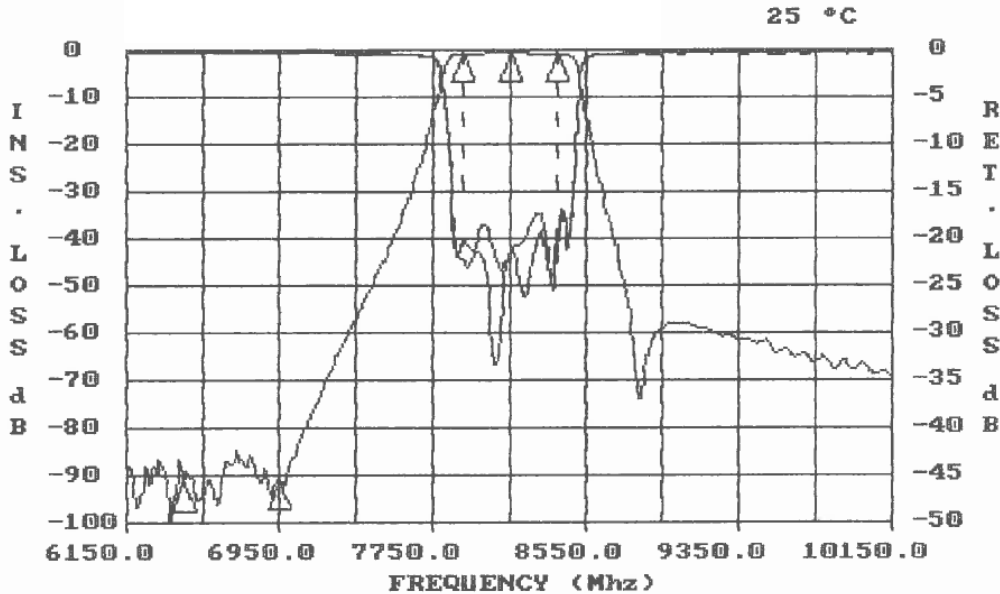
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

INCHES	MILLIMETERS
.XX ± .02	[X.X] ± .5
.XXX ± .010	[X.XX] ± .25
.XXXX ± .0020	[X.XXX] ± .051

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FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
8150	-.621 dbA	-.75 dbA MAX	
6450	-90.8 dbC	-70 dbC MIN	
6950	-90.5 dbC	-90 dbC MIN	
7900 - 8400	-.149 dbC	-.5 dbC MAX	
FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
7900 - 8000	.541 nsC	1 nsC VAR	Group Delay
8300 - 8400	.545 nsC	1 nsC VAR	Group Delay
VALUE	SPEC	COMMENTS	
685.8 MHZ	500 MHZ MIN	-3dbC Width	
8152.08MHZ	7900 MIN	Center Freq.	
8152.08MHZ	8400 MAX	Center Freq.	
FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
7900 - 8400	-19.3	-15 db MIN	(S11) - VSWR
7900 - 8400	-17.2	-15 db MIN	(S22) - VSWR

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