

Coaxial

Bandpass Filter

SIF-60

50Ω Constant Impedance 50 to 70 MHz

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W max.

Features

- rugged shielded case
- wide selection of cut-off frequencies
- custom fco models available

Applications

- harmonic rejection
- lab use



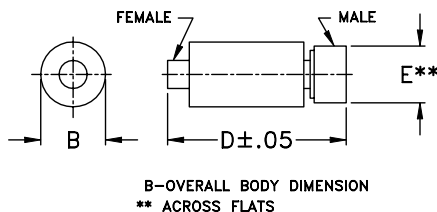
CASE STYLE: FF99

Connectors	Model	Price	Qty.
SMA	SIF-21.4	\$38.95 ea.	(1-9)

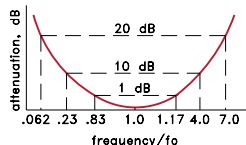
Bandpass Filter Electrical Specifications

MODEL NO.	CENTER FREQ. (MHz)	PASSBAND (MHz)	STOPBANDS		VSWR, 1.3:1 Typ. TOTAL BAND (MHz)
		(loss < 1 dB)	(loss > 10 dB) at MHz	(loss > 20 dB) at MHz	
SIF-60	60	50-70	14 & 240	3.8 & 400	DC-500

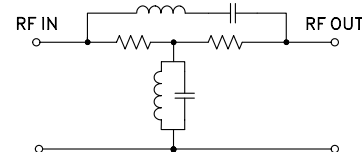
Outline Drawing



typical frequency response

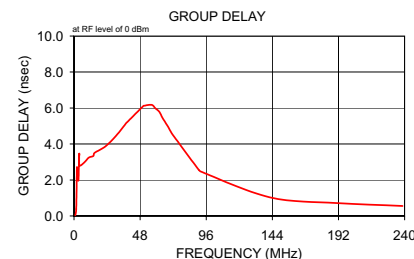
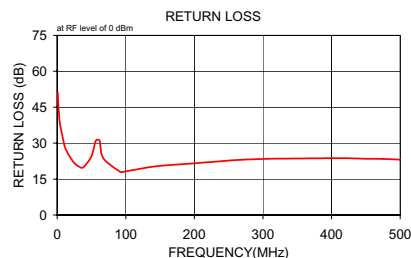
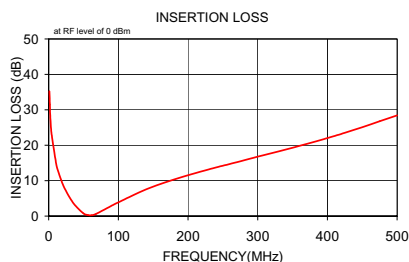


electrical schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)		Return Loss (dB)	Frequency (MHz)	Group Delay (nsec)
	\bar{x}	σ			
1.0	35.25	0.1	50.9	1.0	0.036
1.6	31.45	0.1	46.7	1.6	0.385
2.1	28.84	0.1	43.8	2.1	2.704
2.7	26.81	0.1	41.8	2.7	2.564
3.2	25.18	0.1	40.0	3.2	1.978
3.8	23.80	0.1	38.6	3.8	3.449
4.0	23.37	0.1	37.9	3.9	2.820
10.7	14.83	0.1	29.0	7.3	2.963
14.0	12.40	0.1	26.6	10.7	3.244
20.0	9.15	0.1	23.6	14.0	3.331
26.0	6.66	0.1	21.4	15.0	3.511
32.0	4.65	0.1	20.2	22.8	3.863
38.0	3.00	0.1	19.9	30.5	4.455
50.0	0.75	0.1	24.5	38.2	5.190
56.4	0.27	0.1	31.0	38.9	5.236
61.9	0.26	0.1	31.0	50.4	6.121
67.3	0.54	0.0	23.7	51.3	6.127
92.0	3.08	0.1	18.0	54.0	6.168
94.0	3.30	0.1	17.9	56.9	6.165
142.7	7.76	0.1	20.3	58.9	6.001
191.3	11.04	0.1	21.4	62.0	5.775
240.0	13.71	0.2	22.5	64.2	5.461
260.0	14.71	0.2	22.9	67.6	5.045
306.7	17.09	0.2	23.5	70.0	4.715
353.3	19.45	0.3	23.6	71.2	4.566
400.0	22.02	0.5	23.7	90.7	2.549
425.0	23.50	0.6	23.7	92.3	2.464
450.0	25.09	0.6	23.5	142.1	1.039
475.0	26.76	0.8	23.4	190.5	0.715
500.0	28.43	0.9	23.1	238.5	0.552



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