

Surface Mount High Pass Filter

18 to 200 MHz

Maximum Ratings

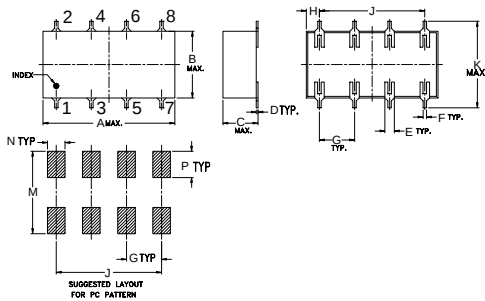
Operating Temperature -40°C to 85°C

Storage Temperature -55°C to 100°C

Pin Connections

INPUT	1
OUTPUT	8
GROUND	2,3,4,5,6,7

Outline Drawing

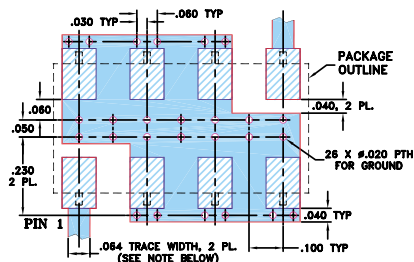


Outline Dimensions (inch mm)

A	B	C	D	E	F	G
0.75	0.38	0.28	0.01	0.05	0.02	0.2
19.05	9.65	7.11	0.25	1.27	0.51	5.08

H	J	K	M	N	P	wt
0.075	0.6	0.45	0.1	0.15		grams
1.91	15.24	11.43	11.94	2.54	3.81	1.60

Demo Board MCL P/N: TB-187
Suggested PCB Layout (PL-049)



NOTE: 1. TRACE WIDTH IS SHOWN FOR ROGERS RO4350B WITH DIELECTRIC THICKNESS .030 ± .002; COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.

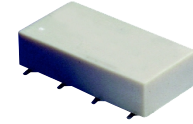
■ DENOTES PCB COPPER LAYOUT
■ DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

Features

- low pass band insertion loss
- custom models available

Applications

- HF/VHF
- lab use
- transmitters/receivers



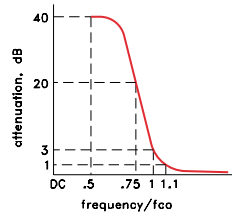
CASE STYLE: YY161

PRICE: \$15.95 ea. QTY. (1-9)

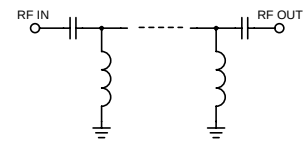
High Pass Filter Electrical Specifications

MODEL NO.	STOP BAND (MHz)	fco, MHz Nom.	PASSBAND (MHz)	VSWR (:1) Typ.	POWER INPUT (W)
	(loss>40 dB) (loss>20 dB)	(loss 3 dB)	(loss<1 dB)	Stopband Passband	
SCHF-17	DC-9 9-13	16.5	18-200	18 1.25	0.5

typical frequency response



schematic



Typical Performance Data

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
0.99	85.38	1737.18
8.96	50.79	217.15
10.00	43.91	124.09
12.01	30.33	69.49
13.00	23.71	48.26
14.96	11.00	16.11
15.96	4.97	55.54
17.04	1.38	1.76
17.46	0.92	1.30
18.00	0.70	1.11
24.96	0.35	1.09
30.10	0.33	1.26
40.00	0.26	1.17
60.06	0.21	1.03
70.09	0.21	1.06
90.17	0.22	1.10
100.22	0.22	1.11
119.85	0.23	1.12
160.59	0.25	1.13
200.00	0.26	1.14

