# Surface Mount **High Pass Filter**

#### 18 to 200 MHz **50**Ω

#### **Maximum Ratings**

Operating Temperature	-40°C to 85°C			
Storage Temperature	-55°C to 100°C			
Permanent damage may occur if any of these limits are exceeded				

#### **Pin Connections**

RF IN	1
OUTPUT	8
GROUND	2,3,4,5,6,7

**Outline Drawing** 

PCB Land Pattern

P 117

1fi

#### Features

- · low pass band insertion loss
- custom models available

#### Applications

- HF/VHF
- · lab use
- transmitters/receivers

## SCHF-17+ **SCHF-17**



CASE STYLE: YY161 PRICE: \$15.95 ea. QTY. (1-9)

#### + RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

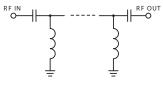
#### **High Pass Filter Electrical Specifications**

	STOP BAND (MHz)				VSWR (:1)		POWER
		(loss 3 dB)		Stopband	Passband	(W)	
(loss > 40 dB)	(loss > 20 dB)	Тур.	(loss < 1 dB)	Тур.	Тур.		
DC-9	9-13	16.5	18-200	18	1.25	0.5	

#### typical frequency response

#### 뜅 2 A tte nua tion, DC .5 .75 1 1.1 Frequency/fco

#### electrical schematic



#### **Typical Performance Data**

Frequency	Insertion Loss	VSWR
(MHz)	(dB)	(: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
SCHF-17 INSERTION LOSS		SCHF-17 VSWR
		40 80 120 160 2

For detailed performance specs & shopping online see web site

FREQUENCY(MHz)

ISO 9001 ISO 14001 AS 9100 CERIIHED P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 The Design Engineers Search Engine IF/RF MICROWAVE COMPONENTS

80 FREQUENCY(MHz)

**Mini-Circuits** 

REV. A M122594 SCHF-17 EDR-3754/1 RAV 100427

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuit's and terms and conditions (collective), "Standard Terms"; PictureAsers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp.

Suggested Layout, Tolerance to be within ±.002

### Outline Dimensions (inch)

В	С	D	E	F	G
0.38	0.28	0.01	0.05	0.02	0.2
9.65	7.11	0.25	1.27	0.51	5.08
J	K	М	N	Р	wt
0.6	0.45	0.47	0.1	0.15	grams
15.24	11.43	11.94	2.54	3.81	1.60
	0.38 9.65 J 0.6	0.38 0.28 9.65 7.11 J K 0.6 0.45	0.38 0.28 0.01 9.65 7.11 0.25 J K M 0.6 0.45 0.47	0.38 0.28 0.01 0.05 9.65 7.11 0.25 1.27 J K M N 0.6 0.45 0.47 0.1	0.38 0.28 0.01 0.05 0.02 9.65 7.11 0.25 1.27 0.51 J K M N P 0.6 0.45 0.47 0.1 0.15

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

