

Plug-In

# Bandpass Filter

50Ω Elliptic Response

25 to 45 MHz

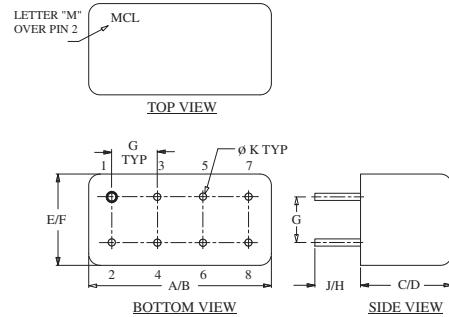
**Maximum Ratings**

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	0.5W at 25°C

Permanent damage may occur if any of these limits are exceeded.

**Pin Connections**

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

**Outline Drawing****Outline Dimensions (inch mm)**

A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16

G	H	J	K	wt
.200	.20	.14	.031	grams

**Features**

- good return loss, 20 dB typ. @ pass band
- small size (0.77" X 0.40" X 0.40")
- rugged shielded case, hermetically sealed

**Applications**

- military
- harmonic rejection
- transmitters / receivers
- lab use



CASE STYLE: A01

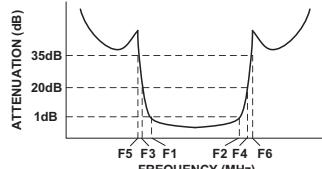
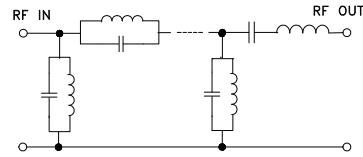
PRICE: \$21.20 ea. QTY (1-9)

**+RoHS Compliant**

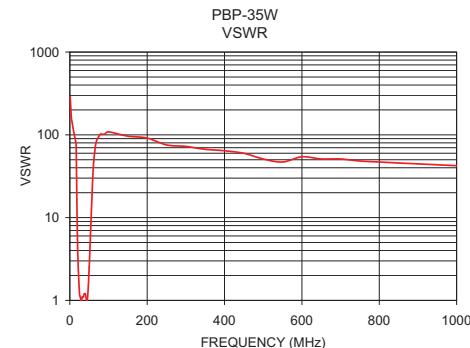
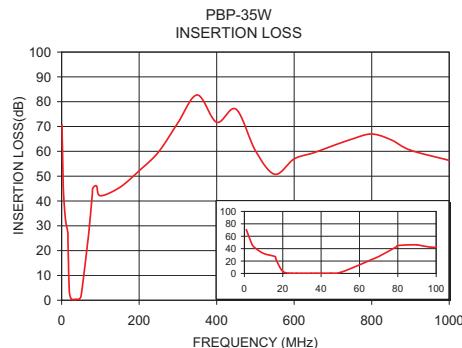
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

**Bandpass Filter Electrical Specifications ( $T_{AMB} = 25^\circ\text{C}$ )**

MODEL NO.	CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 1dB) F1 F2	STOPBANDS (MHz)		VSWR (:1)	
			Loss > 20dB F3 F4	Loss > 35dB F5 F6	Passband Max.	Stopband Typ.
PBP-35W (+)	35	25 45	16 70	4 80-1000	1.5	18

**typical frequency response****electrical schematic****Typical Performance Data at 25°C**

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
1	70.61	289.50
4	46.78	157.90
16	27.21	79.00
25	0.34	1.20
35	0.30	1.10
45	0.41	1.00
60	13.78	35.50
70	27.31	86.90
80	45.00	102.20
100	42.09	108.60
300	71.50	72.40
500	60.28	51.10
700	62.27	51.10
900	60.48	44.60
1000	56.35	42.40



 **Mini-Circuits®**  
ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS

**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-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers 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-Circuits' website at [www.minicircuits.com/MCLStore/terms.jsp](http://www.minicircuits.com/MCLStore/terms.jsp).

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