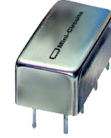


# Bandpass Filter

50Ω Elliptic Response 25 to 45 MHz

**PBP-35W+**  
**PBP-35W**



CASE STYLE: A01  
PRICE: \$21.20 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.*

### Maximum Ratings

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

### Pin Connections

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

### Features

- Good Return Loss, 20 dB Typ @ Pass Band
- Small Size (0.77" X 0.40" X 0.40")
- Rugged shielded case, hermetically sealed

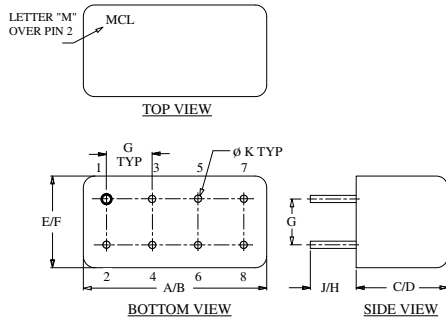
### Applications

- Military
- Harmonic Rejection
- Transmitters/Receivers
- Lab Use

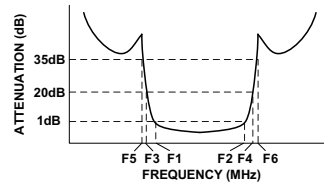
### Bandpass Filter Electrical Specifications (T<sub>AMB</sub> = 25°C)

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	

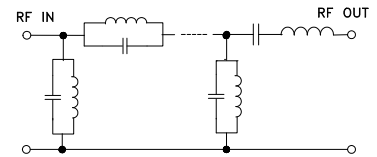
### Outline Drawing



### typical frequency response



### electrical schematic

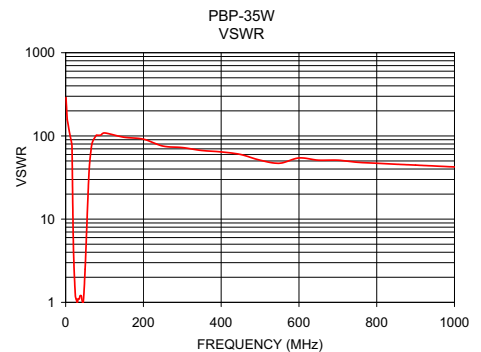
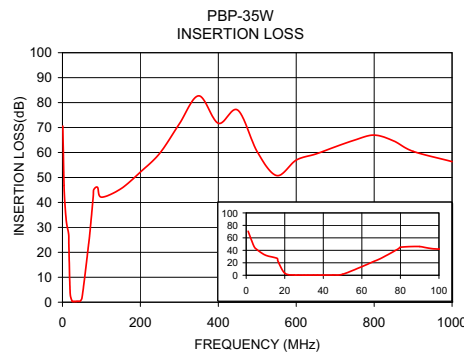


### Typical Performance Data at 25°C

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

### 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	
5.08	5.08	3.56	.79	5.2	



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

RF/IF MICROWAVE COMPONENTS

REV. A  
M98898  
EDR-7459U  
PBP-35W  
URJ  
071101  
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