

Band Pass Filter

50Ω, 25 to 45 MHz

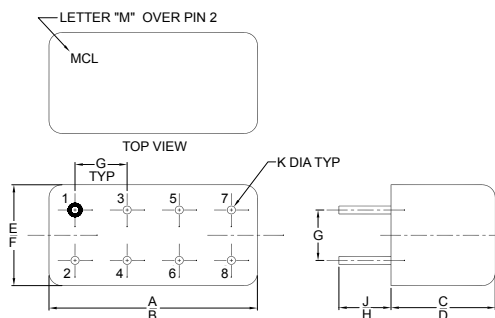
Maximum Ratings

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

Pin Connections

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

Demo Board MCL P/N: TB-305 Outline Drawing



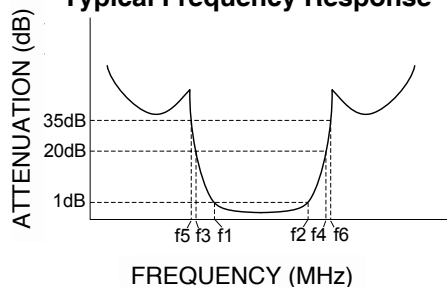
NOTE: BLUE BEAD INDICATES PIN1.
PIN NUMBERS DO NOT APPEAR ON UNIT,
FOR REFERENCE ONLY

Outline Dimensions (inch/mm)

A	B	C	D	E	F	G	H	J
.770	.800	.385	.400	.370	.400	.200	.200	.140
19.58	20.32	9.78	10.16	9.40	10.16	5.08	5.08	3.58

K	wt.
.031	grams
0.79	5.2

Typical Frequency Response



Features

- Good Return Loss, 20 dB Typ @ Pass Band
- Small Size (0.77" X 0.40" X 0.40")

Application

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

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.

Band Pass Filter Electrical Specifications (T_{AMB} = 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

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

