

ECO JCBP-43+

50Ω 26 to 60 MHz

Features

- Low insertion loss, 0.3 typ @ passband
- Good VSWR, 1.2:1 typ @ passband
- High stopband rejection
- Aqueous washable

Applications

- Harmonic rejection
- Transmitters/receivers
- Military communications

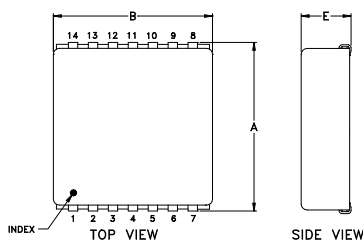
Maximum Ratings

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

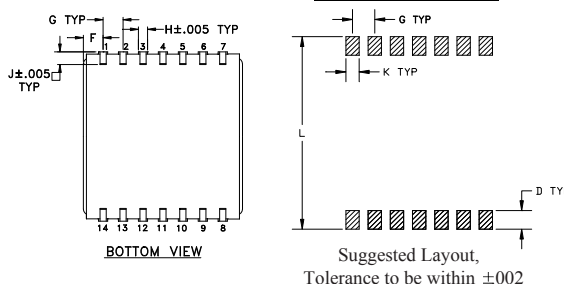
Pin Connections

INPUT	2
OUTPUT	9
GROUND	1,3,4,5,6,7,8,10,11,12,13,14

Outline Drawing



PCB Land Pattern



Outline Dimensions (Inch/mm)

A	B	C	D	E	F
.870	.800	--	.100	.250	.100
22.09	20.32	--	2.54	6.35	2.54
G	H	J	K	L	wt.
.100	.047	.065	.065	.890	grams
2.54	1.19	1.65	1.65	22.60	4.0

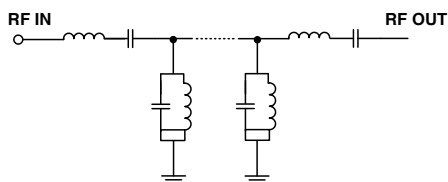
Bandpass Filter Electrical Specifications (T_{AMB} = 25°C)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 1dB) F1 - F2	STOPBANDS (MHz)				VSWR (:1)	
		Loss > 20dB		Loss > 40dB		Passband Max.	Stopband Typ.
43	26 - 60	F3	F4	F5	F6	1.6	20

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
5.0	97.92	1737.18
10.0	51.90	347.44
12.5	31.94	91.43
14.5	15.42	28.96
15.5	6.89	7.87
16.0	3.42	3.66
16.5	1.52	1.791
26.0	0.35	.18
43.0	0.32	1.12
60.0	0.42	1.06
94.0	1.54	1.36
100.0	4.17	3.33
106.0	10.09	9.23
118.0	22.73	23.81
130.0	33.05	33.42
160.0	53.26	45.72
800.0	85.80	86.86
1500.0	59.08	54.29

Functional Schematic



Typical Frequency Response

