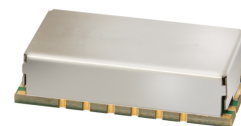


SurfaceMount Bandpass Filter

50Ω 145 to 155 MHz



ECO BPF-F150+

Features

- Narrow bandwidth
- Sharper cut-off
- Shielded package

Applications

- Radio test equipment
- Receiver \ Transmitter
- Harmonic rejection

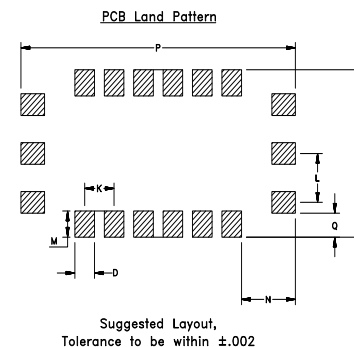
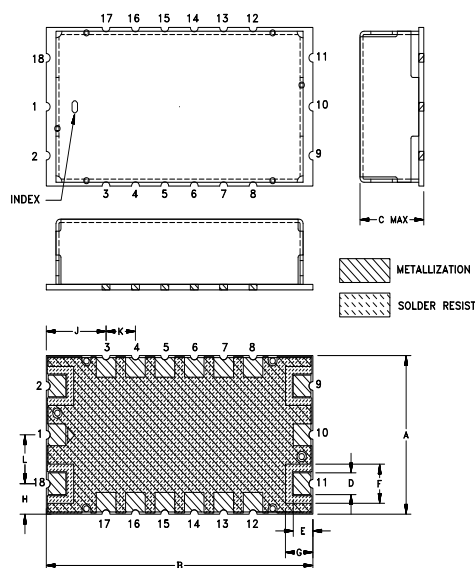
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	1 W

Pad Connections

INPUT	18
OUTPUT	9
GROUND	1,3,4,5,6,7,8,10,12,13,14,15,16,17
NO CONNECTION	2,11

Outline Drawing



Outline Dimensions (inch mm)

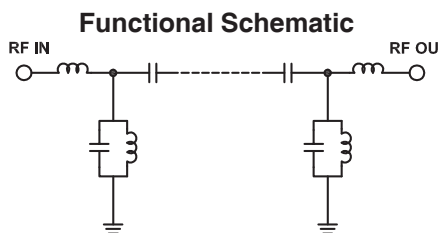
A	B	C	D	E	F	G	H	J
.730	1.360	.350	.100	.100	.180	.140	.140	.305
18.54	34.54	8.89	2.54	2.54	4.57	3.56	3.56	7.75
K	L	M	N	P	Q	R	Wt.	
.150	.225	.120	.275	1.400	.110	.770	grams	
3.81	5.72	3.05	6.99	35.56	2.79	19.56	6.0	

Electrical Specifications at 25°C

Parameter	F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	—	—	150	—	MHz
	Insertion Loss	F1-F2	—	6	7	dB
	VSWR	F1-F2	—	1.58	1.92	:1
Stop Band, Lower	Insertion Loss	DC-F3	40	45	—	dB
	VSWR	DC-F3	—	20	—	:1
Stop Band, Upper	Insertion Loss	F4-F5	40	44	—	dB
	VSWR	F4-F5	—	20	—	:1

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (nsec)
1	103.38	145.02	145.0	106.68
100	96.90	146.11	145.5	101.81
130	63.40	42.10	146.0	97.88
133	52.70	28.78	146.5	94.67
135	44.47	21.05	147.0	92.04
138	29.99	11.09	147.5	89.84
140	21.46	6.88	148.0	88.05
141	12.65	3.37	148.5	86.61
142	8.22	1.92	149.0	85.46
145	4.52	1.08	149.5	84.56
150	3.76	1.14	150.0	83.90
155	4.37	1.20	150.5	83.48
160	15.64	5.26	151.0	83.31
161	20.47	7.95	151.5	83.35
162	25.04	10.83	152.0	83.67
163	29.25	13.82	152.5	84.28
170	51.78	36.57	153.0	85.22
200	85.49	149.51	153.5	86.54
700	91.01	670.66	154.0	88.25
1400	75.43	182.92	155.0	93.28



Typical Frequency Response

