Surface Mount

Bandpass Filter

50Ω 55 to 65 MHz

ECO BPF-A60+

Features

- Fast roll-off
- High rejection, 36 dB typical
- Good VSWR 1.2:1 typical in passband
- Miniature shielded case
- Aqueous washable

Applications

- Test equipments
- Harmonic rejection
- Transmitters / receivers

Maximum Ratings

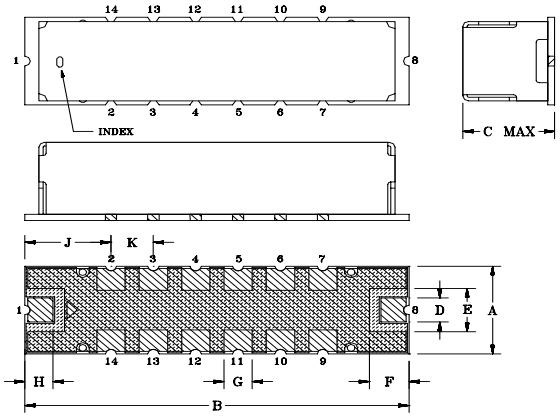
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	320mW

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

Pad Connections

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

Outline Drawing



Outline Dimensions (inch / mm)

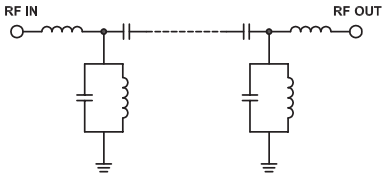
A	B	C	D	E	F	G	H
.365	1.360	.35	.100	.180	.140	.100	.100
9.27	34.54	8.89	2.54	4.57	3.56	2.54	2.54

J	K	L	M	N	P	Q	wt
.305	.150	.120	.275	.152	.405	1.400	grams
7.75	3.81	3.05	6.99	3.86	10.29	35.56	4.0

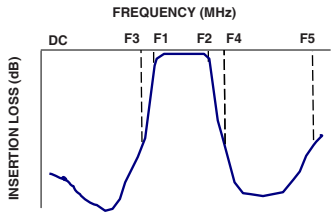
Electrical Specifications at 25°C

Parameter		F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	—	—	—	60	—	MHz
	Insertion Loss	F1-F2	55-65	—	3.4	4.5	dB
	VSWR	F1-F2	55-65	—	1.5	2.2	:1
Stop Band, Lower	Insertion Loss	DC-F3	DC-50	20	36	—	dB
	VSWR	DC-F3	DC-50	—	21	—	:1
Stop Band, Upper	Insertion Loss	F4-F5	75-900	20	34	—	dB
	VSWR	F4-F5	75-900	—	30	—	:1

Functional Schematic



Typical Frequency Response



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (nsec)
1.0	99.79	1737.18	55.00	158.01
45.0	77.72	108.58	55.50	161.16
47.0	65.39	69.49	56.00	164.30
50.0	43.58	27.16	56.50	161.67
51.0	34.62	16.72	57.00	159.04
52.0	24.18	8.99	57.50	148.86
53.0	12.32	3.53	58.00	138.67
54.0	5.20	1.36	58.50	131.43
55.0	3.37	1.21	59.00	124.19
60.0	2.16	1.30	59.50	119.63
65.0	2.75	1.10	60.00	115.07
66.0	3.69	1.48	60.50	112.54
67.0	5.83	2.77	61.00	110.00
69.0	13.96	10.69	61.50	108.88
72.0	26.12	27.59	62.00	107.76
75.0	35.06	44.55	63.00	108.14
100.0	64.23	133.63	63.50	109.25
250.0	98.54	133.63	64.00	110.35
500.0	67.64	82.73	64.50	110.76
900.0	60.77	66.82	65.00	111.17