

ECO BPHI-370

50Ω 350 to 390 MHz

Features

- High rejection 70 dB typ.
- Wide stopband up to 4 GHz.
- Shielded package

Applications

- Public safety communications
- Mobile satellite communication
- Air traffic control

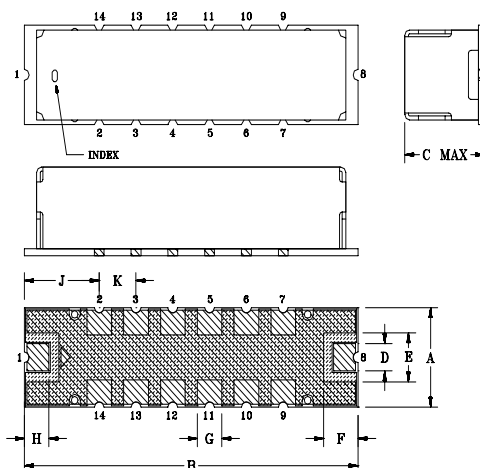
Maximum Ratings

Operate Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	2 W

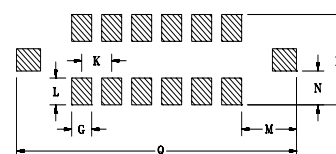
Pad Connections

INPUT	1
OUTPUT	8
GROUND	2-7,9-14

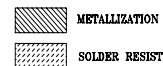
Outline Drawing



PCB Land Pattern



Suggested Layout,
Tolerance to be within ± 0.02

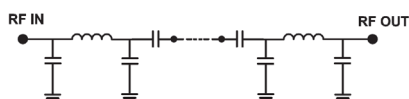


Outline Dimensions (inch)

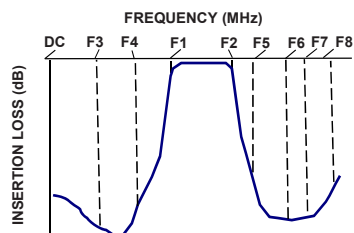
A	B	C	D	E	F	G	H
.365	1.360	.35	.100	.180	.140	.100	.54
1009.27	34.54	8.89	2.54	4.57	3.56	2.54	13.97

J	K	L	M	N	P	Q	wt
.305	.150	.120	.275	.152	.405	1.400	grams7
.75	3.81	3.05	6.99	3.86	10.29	35.56	4.0

Functional Schematic



Typical Frequency Response



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (nsec)
10	98.83	455.24	350	20.91
200	66.29	206.66	352	20.32
305	31.53	56.90	354	19.86
318	21.17	29.26	356	19.51
325	13.95	14.51	358	19.29
335	3.78	2.51	360	19.18
350	1.43	1.27	362	19.17
360	1.41	1.30	364	19.23
370	1.42	1.15	366	19.33
380	1.66	1.37	368	19.42
390	2.07	1.23	370	19.54
396	3.44	1.72	372	19.67
413	24.66	28.50	374	19.86
421	32.83	42.74	376	20.14
430	40.27	56.21	378	20.55
550	74.41	115.57	380	21.09
2000	71.40	43.83	382	21.78
2500	83.30	28.85	384	22.66
3000	84.83	30.25	386	23.80
4000	49.28	44.77	390	27.32

