

ECO BP-B70-S+

50Ω 52 to 88 MHz

Features

- Low insertion loss of 1 dB typical
- Good matching and good out of band rejection.
- Connectorized package

Applications

- Wire-line broad band access
- IF signal processing
- Fixed satellite
- VHF Television

Coaxial Connections

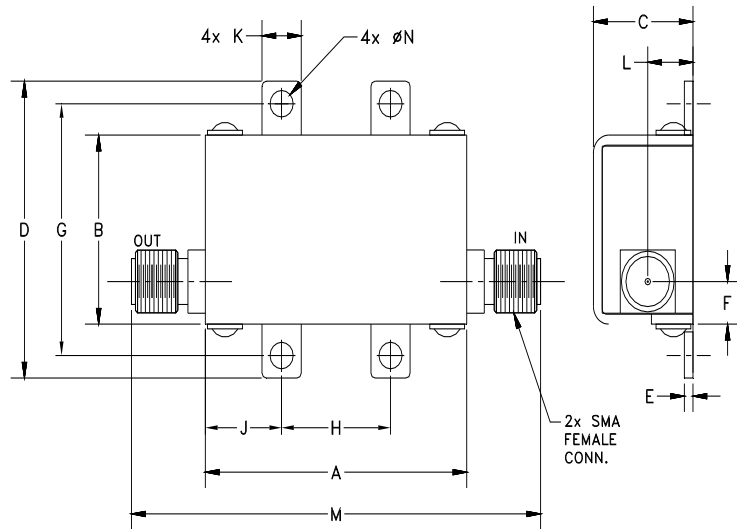
INPUT	SMA-FEMALE
OUTPUT	SMA-FEMALE

Outline Dimensions (inch)

A	B	C	D	E	F	G
1.20	.75	.46	1.18	.04	.17	1.00
30.48	19.05	11.68	29.97	1.02	4.32	25.40

H	J	K	L	M	N	Wt.
.50	.35	.18	.21	1.88	.106	grams
12.70	8.89	4.57	5.28	47.75	2.69	35.0

Outline Drawing

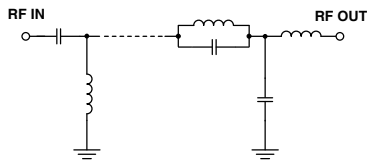


Maximum Ratings

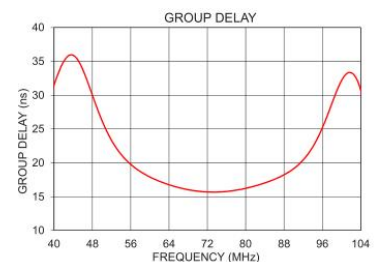
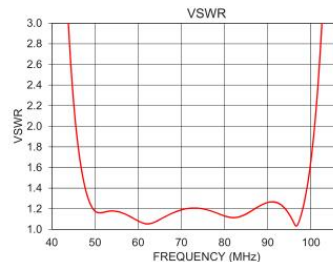
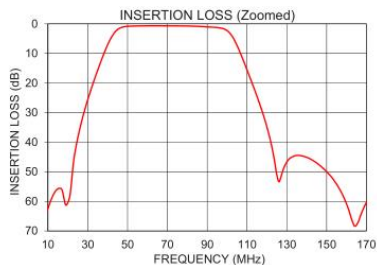
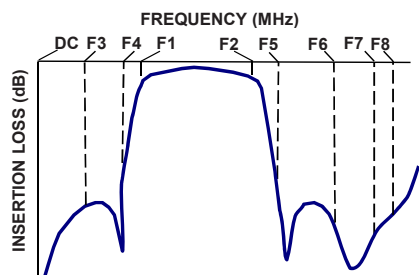
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input	1 W Max.

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

Functional Schematic



Typical Frequency Response



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (nsec)
1	100.51	98591.26	52.0	23.32
11	60.48	2753.10	54.0	21.25
27	32.73	167.96	56.0	19.78
29	27.84	126.10	58.0	18.72
31	23.46	88.40	60.0	17.91
33	19.41	60.24	62.0	17.28
38	10.23	17.33	64.0	16.76
43	3.32	3.77	66.0	16.35
52	0.76	1.16	68.0	16.03
70	0.67	1.19	70.0	15.82
88	0.93	1.22	72.0	15.70
102	3.68	2.62	74.0	15.69
105	7.33	5.47	76.0	15.78
110	15.57	13.02	78.0	15.97
113	20.87	17.14	80.0	16.25
118	30.42	22.05	82.0	16.61
200	50.95	37.08	84.0	17.04
1500	80.79	47.35	86.0	17.57
2500	92.52	20.01	87.0	17.87
4000	60.26	16.31	88.0	18.24