



Features

- low insertion loss, 0.3dB typ. @ passband
- high rejection
- shielded case
- aqueous washable

Applications

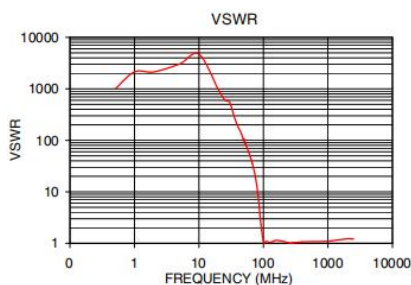
- transmitters / receivers
- sub-harmonic rejection
- military communications

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

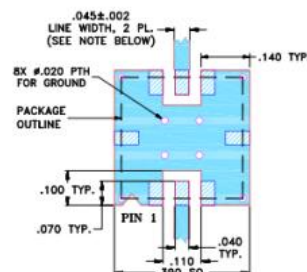
STOP BAND (MHz)		FCO ₁ (MHz) Nom.	PASS BAND (MHz)	VSWR (:1)	
(Loss>40dB) (Loss>20dB)		(Loss 3dB)	(Loss<1dB)	Stopband Typ.	Passband Typ.
DC-50	DC-65	92	160-2500	18	1.2

Typical Performance Data at 25° C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
0.5	80.57	993.20
10	97.80	4713.84
40	65.89	188.27
50	49.43	107.76
60	35.85	56.04
65	29.68	41.13
70	23.74	29.22
80	12.40	11.70
85	7.41	5.94
90	3.80	2.85
92	2.88	2.20
95	1.98	1.59
160	0.47	1.14
250	0.28	1.02
500	0.20	1.07
1000	0.28	1.10
2000	0.42	1.22
2500	0.49	1.22



Suggested PCB Layout



NOTES:

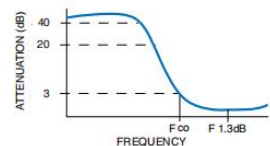
1. TRACE WIDTH IS SHOWN FOR FR4 WITH DIELECTRIC THICKNESS .025" ± .002"; COPPER: 1/2 OZ. EACH SIDE. FOR OTHER MATERIALS TRACE WIDTH MAY NEED TO BE MODIFIED.
 2. BOTTOM SIDE OF THE PCB IS CONTINUOUS GROUND PLANE.
- DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
- DENOTES COPPER LAND PATTERN FREE OF SOLDER MASK

JY-RHP-92+

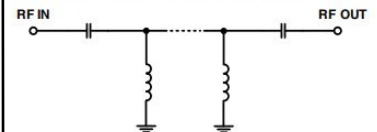


50Ω 160 to 2500 MHz

Typical Frequency Response



Functional Schematic



Pin Connections

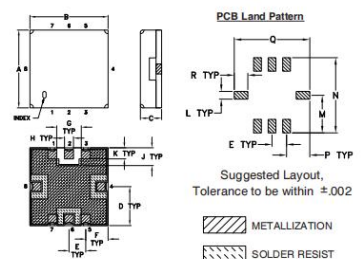
INPUT	2
OUTPUT	6
GROUND	1, 3, 4, 5, 7, 8

Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5W max. at 25°C

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

Outline Drawing



Outline Dimensions: Unit (mm)

A	8.89	B	8.89	C	2.54
D	4.45	E	1.93	F	2.54
G	2.79	H	1.02	J	2.03
K	1.27	L	1.02	M	4.95
N	9.91	P	3.05	Q	9.91
WT	0.25	R	1.78		