Jieying Communication Technology (Shenzhen) Co., Ltd.
http://www.jytxjs.cn

Bandpass Filter

JY-RBP-160+

50Ω 120 to 210 MHz

Features
•good VSWR, 1.3:1 typ @ passband
•high rejection•small size 0.35" X 0.35"
• shielded case
•aqueous washable

Applications
•base station
•harmonic rejection
•transmitters/receivers

Maximum Ratings

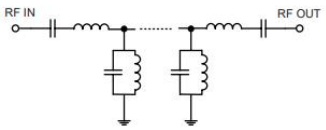
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power Input*	0.5 W at 25°C

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

Bandpass Filter Electrical Specifications (T_{AMB}= 25℃)

CENTER FREQ. (MHz)	PASSBAND (MHz) (Loss < 3dB)	STOPBAND (MHz) (Loss>20dB)		(Loss>35dB)		VSWR	
Fc	F1 - F2	F3	F4	F5	F6	Passband Max.	Stopband Typ.
165	120-210	85	280	70	340-2000	2.3	18

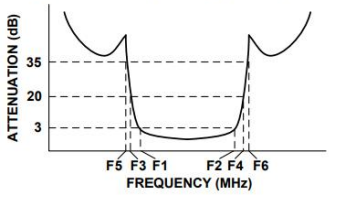
Functional Schematic



Typical Performance Data at 25° C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)
0.3	89.19	1737.18
40	77.22	1737.18
70	44.89	144.77
85	29.73	51.10
100	12.83	11.03
105	7.19	4.62
110	3.46	1.85
120	1.85	1.29
165	1.24	1.17
210	1.70	1.24
220	2.49	1.72
230	5.47	4.08
250	15.72	17.05
280	27.86	39.49
340	43.18	75.53
1000	82.13	115.81
1400	74.97	78.97
2000	65.68	66.82

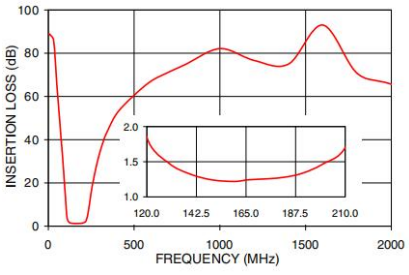
Typical Frequency Response



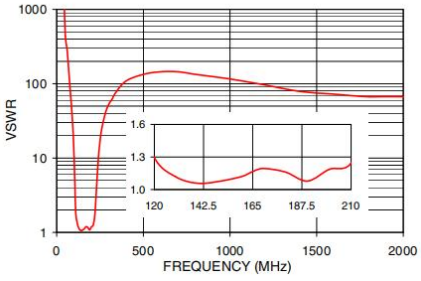
Pad Connections

RF IN	2
RF OUT	6
GROUND	1, 3, 4, 5, 7, 8

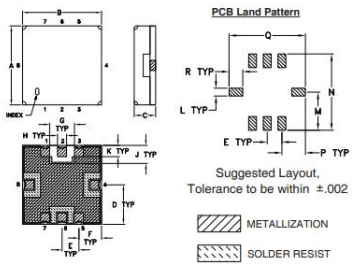
INSERTION LOSS



VSWR

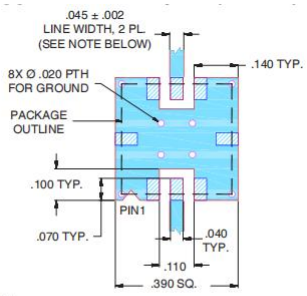


Outline Drawing



Outline Dimensions: Unit (mm)					
A	8.89	B	8.89	C	2.54
D	4.45	E	1.91	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
R	1.78	wt	0.25		

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-RBP-160+

Tel : +86 0755-27881106
Fax : +86 0755-27597069
Add : 806 Building B7, Tianrui Industrial Park, Fuyong Street, Baoan District, Shenzhen