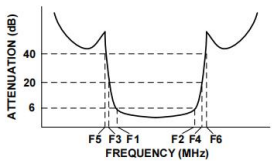
Bandpass Filter

JY-BPF-A75+

Features
- High rejection
- Good VSWR, 1.2:1 typ @ passband
- Shielded case
- Aqueous washable

Applications
- Military communications
- Harmonic rejection
- Transmitters/receivers

Typical Frequency Response



50Ω 72 to 78 MHz

Maximum Ratings

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

*Passband rating, derate linearly to 0.25W at 100°C ambient.
Permanent damage may occur if any of these limits are exceeded.

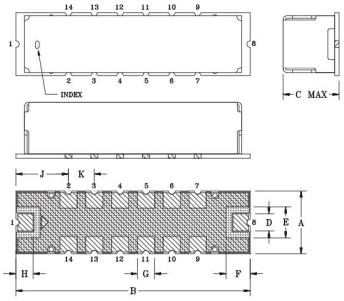
Bandpass Filter Electrical Specifications ((T_{AMB}= 25° C)

CENTER FREQ. (MHz) Fc	PASSBAND (MHz) (Loss<6dB) F1-F2	STOPBANDS (MHz) (Loss>20dB) F3	F4	(Loss>40dB) F5	F6	VSWR (:1) Stopband Typ.	Passband Typ.
75	72-78	65	88	62	95-750	20	1.2

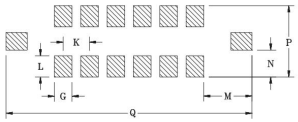
Pad Connections

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

Outline Drawing



PCB Land Pattern



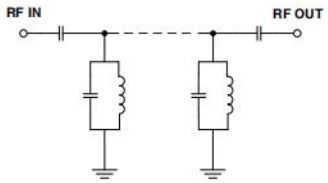
Suggested Layout
Tolerance to be within ±0.05
METALLIZATION
SOLDER RESIST

Outline Dimensions：Unit (mm)

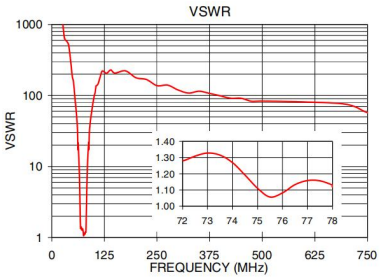
A	9.27	B	34.54
C	8.89	D	2.54
E	4.57	F	3.56
G	2.54	H	2.54
J	7.75	K	3.81
L	3.05	M	6.99
N	3.86	P	10.29
Q	35.56	WT	4g

INSERTION LOSS

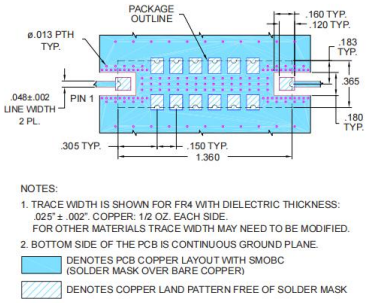
Functional Schematic



VSWR



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-BP-A75+

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