



Features

- Sharp roll-off
- High rejection
- Wide stopband
- Shielded case

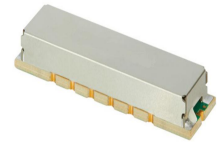
Applications

- Biomedical telemetry devices
- Wireless microphones
- Military radio

Functional Schematic



JY-BPF-A475+



50Ω 400 to 550 MHz

Electrical Specifications at 25°C

Parameter		Frequency(MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	475	-	MHz
	Insertion Loss	400-550	-	1.4	2.0	dB
	VSWR	400-550	-	1.41	1.67	:1
Stop Band, Lower	Insertion Loss	DC-200	40	45	-	dB
	VSWR	200-300	20	30	-	dB
		DC-300	-	20	-	:1
Stop Band, Upper	Insertion Loss	650-3800	40	48	-	dB
	VSWR	3800-5000	-	30	-	dB
		650-5000	-	20	-	:1

Maximum Ratings

Operating Temperature -40°C to 85°C

Storage Temperature -55°C to 100°C

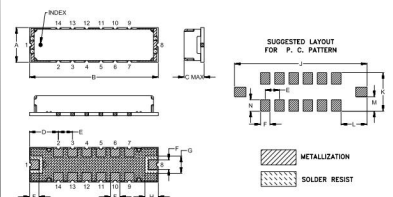
RF Power Input* 5 W at 25°C

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

Pad Connections

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

Outline Drawing

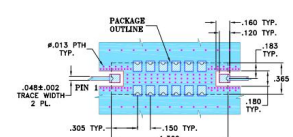


Outline Dimensions: Unit (mm)

A	9.27	B	34.54
C	5.59	D	7.75
E	3.81	F	2.54
G	4.57	H	3.56
J	35.56	K	10.29
L	6.99	M	3.87
N	3.05	WT	3g

Suggested PCB Layout

SUGGESTED MOUNTING CONFIGURATION
FOR H01157 AND H02706 CASE STYLES, 4 PIN CONNECTION



NOTE:
1. TRACE WIDTH IS SHOWN FOR FR4 WITH DIELECTRIC THICKNESS .005"±.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.
3. DENOTES PCB COPPER LAYOUT WITH SMOBC (SOLDER MASK OVER BARE COPPER)
4. DENOTES COPPER LAND PATTERN FREE OF SOLDERMASK

