

Bandpass Filter

HT-BPF-A127+

Features

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

Applications

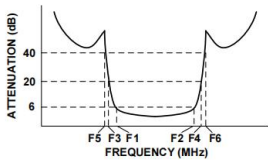
- Military communications
- Harmonic rejection
- Transmitters/receivers

50Ω 118 to 137 MHz

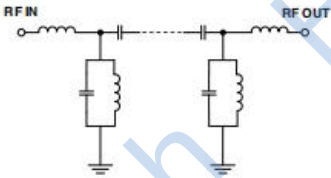
Functional Schematic

Bandpass Filter Electrical Specifications ((T _{AMB} = 25° C)							
CENTER FREQ. (MHz)	PASSBAND (MHz)	STOPBANDS (MHz)				VSWR (:1)	
		(Loss<4.5dB)		(Loss>20dB)		Stopband Typ.	Passband Typ.
Fc	F1-F2	F3	F4	F5	F6		
127	118-137	105	155	95	180-2200	1.3	20

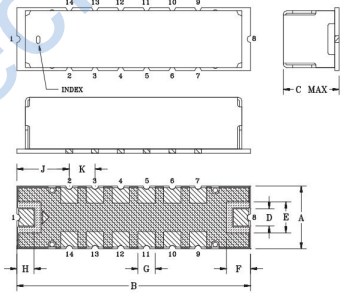
Typical Frequency Response



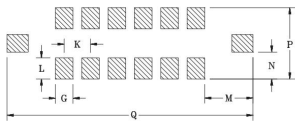
Functional Schematic



Outline Drawing



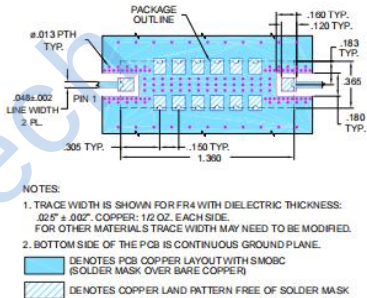
PCB Land Pattern



Suggested Layout
Tolerance to be within ±0.05

- METALLIZATION
- SOLDER RESIST

Suggested PCB Layout



Pad Connections

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

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.

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