



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

## 17.5 MHz LC Bandpass Filter

Part Number: AE17.5B5041



### Electrical Specifications

**Center Frequency:** 17.5 MHz  
**3-dB Passband:** 14.5 MHz to 20.5 MHz  
**Insertion Loss:** <3dB  
**VSWR:** 1.5:1  
**Rejection:** >45dB @ 13 MHz  
**Rejection2:** >45dB @ 25 MHz  
**Impedance:** 50 Ohms

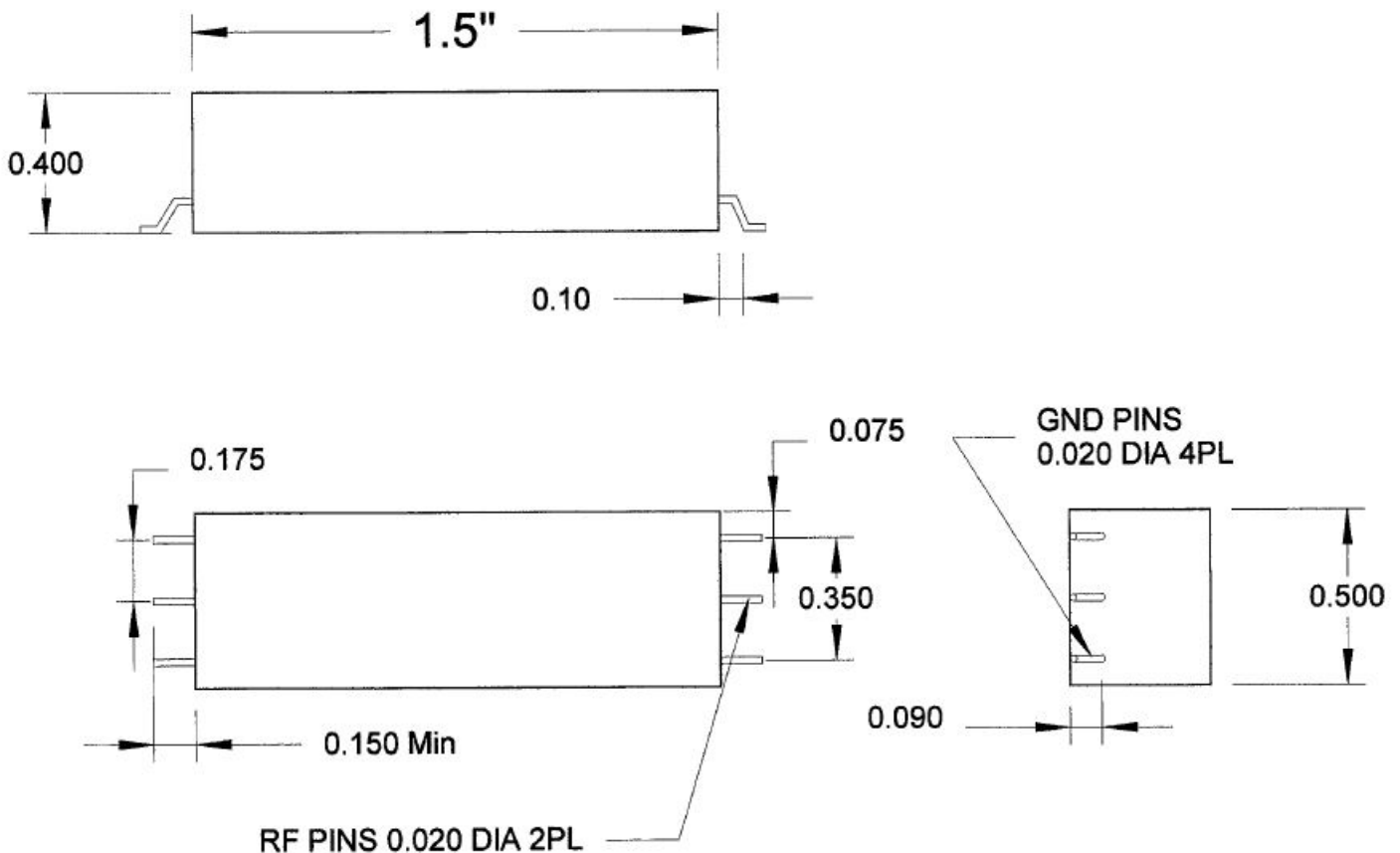
### Mechanical

**Connector Type:** Surface-Mount  
**Dimensions:** 1.5" x 0.5" x 0.4" in.

### Environmental

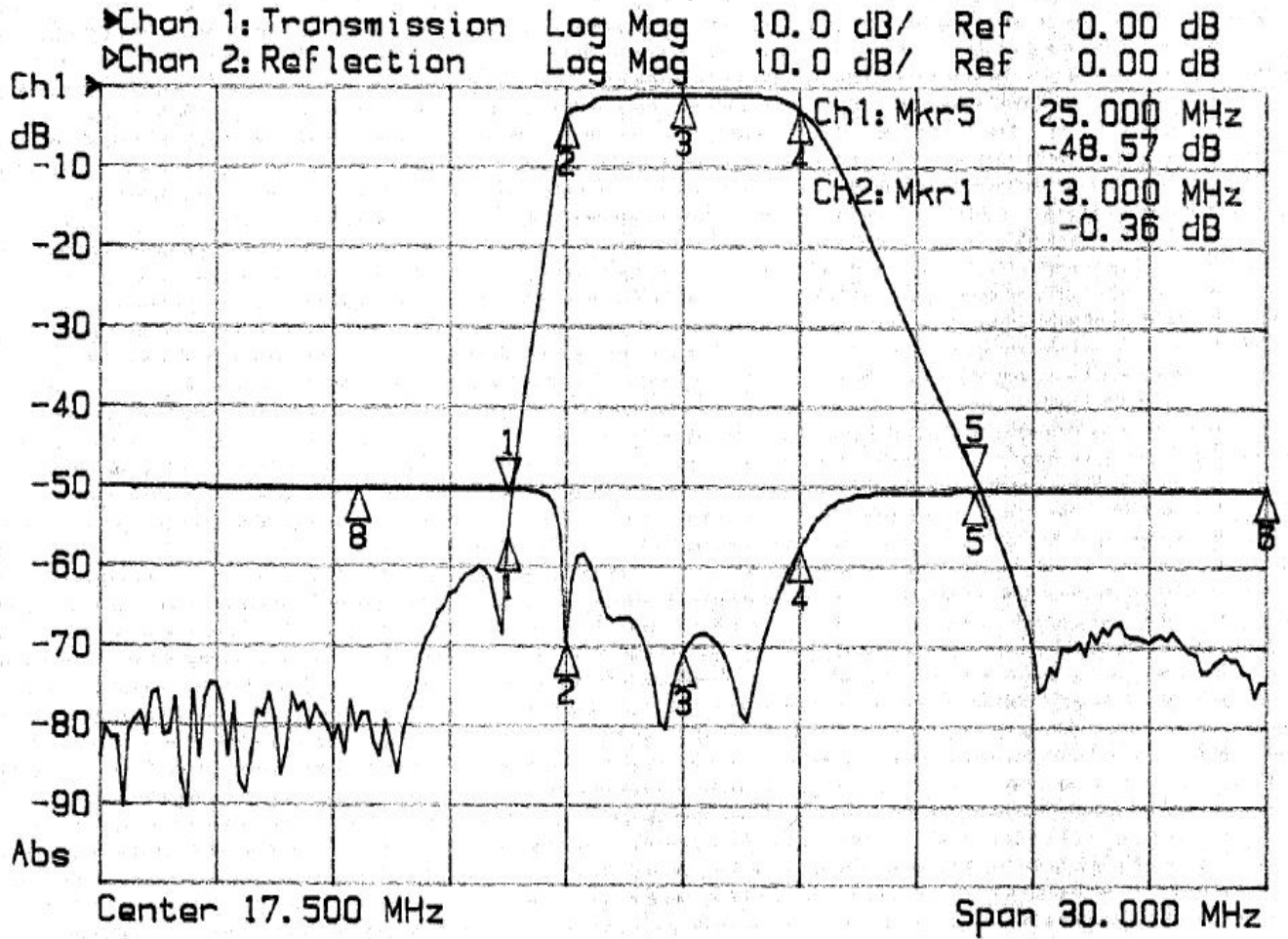
**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





**Response Plot:**



Marker	Freq (MHz)	Ch 1 (dB)	Ch 2 (dB)
1	13.000	-56.56	-0.36
2	14.500	-3.35	-19.59
3	17.500	-0.92	-20.82
4	20.500	-2.70	-7.80
5	25.000	-48.57	-0.48
6	190.000		0.00
7	190.000		0.00
8	9.170		-0.22