



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

12.771 MHz LC Bandpass Filter

Part Number: AE12.771B6732



Electrical Specifications

- Center Frequency:** 12.771 MHz
- Passband:** <0.5 dB @ 12.271 MHz to 13.271 MHz
- VSWR:** 1.5:1
- Ripple:** 0.1 dB
- Insertion Loss:** <4 dB
- Impedance:** 50 Ohms
- Rejection:** > 20 dB @ 11.5 MHz
- Rejection2:** > 20 dB @ 14.05 MHz
- Rejection3:** > 40 dB @ 8.94 MHz
- Rejection4:** > 40 dB @ 16.6 MHz
- Rejection5:** > 50 dB @ 6.38 MHz
- Rejection6:** > 60 dB @ 19.15 MHz

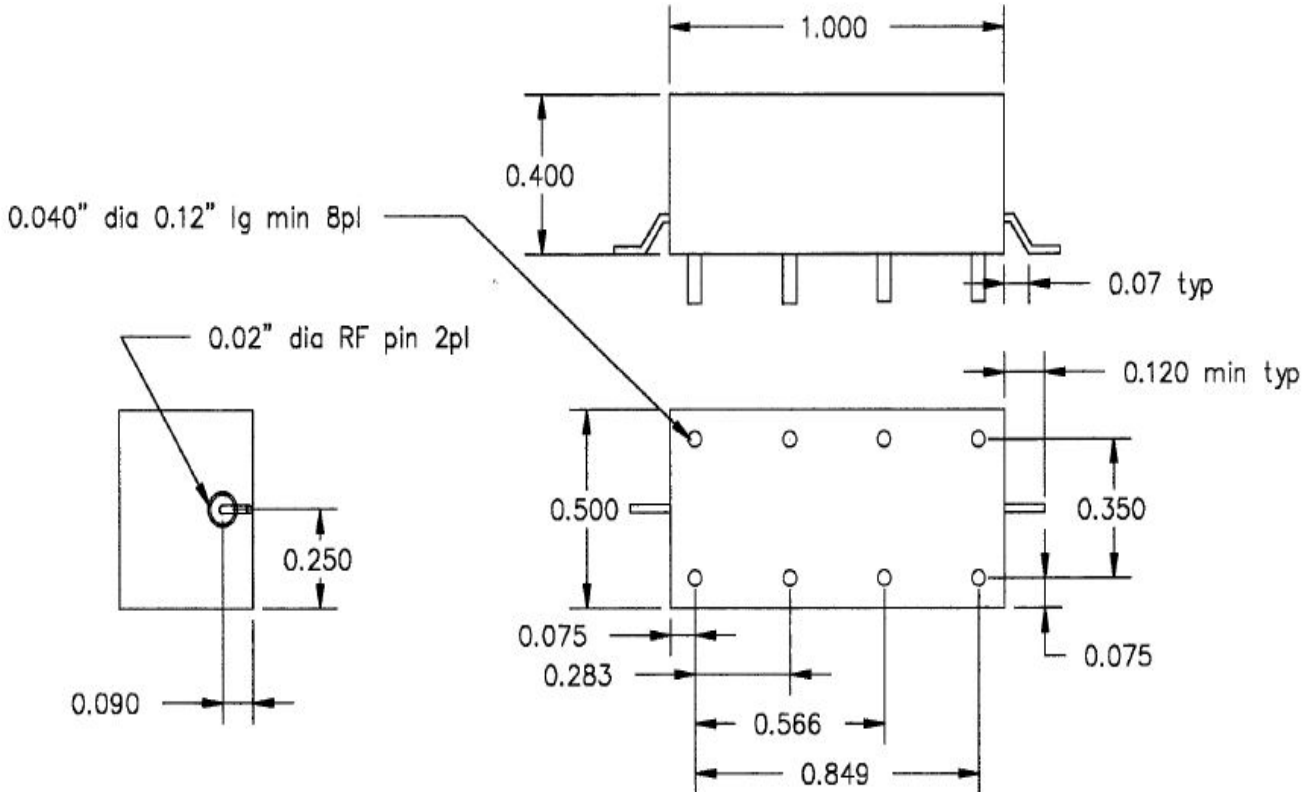
Mechanical

- Mounting Method:** Surface Mount
- Connector Type:** SMT 0.02" Rf input pins
- Dimensions:** 1.0" X 0.5" x 0.4" in.

Environmental

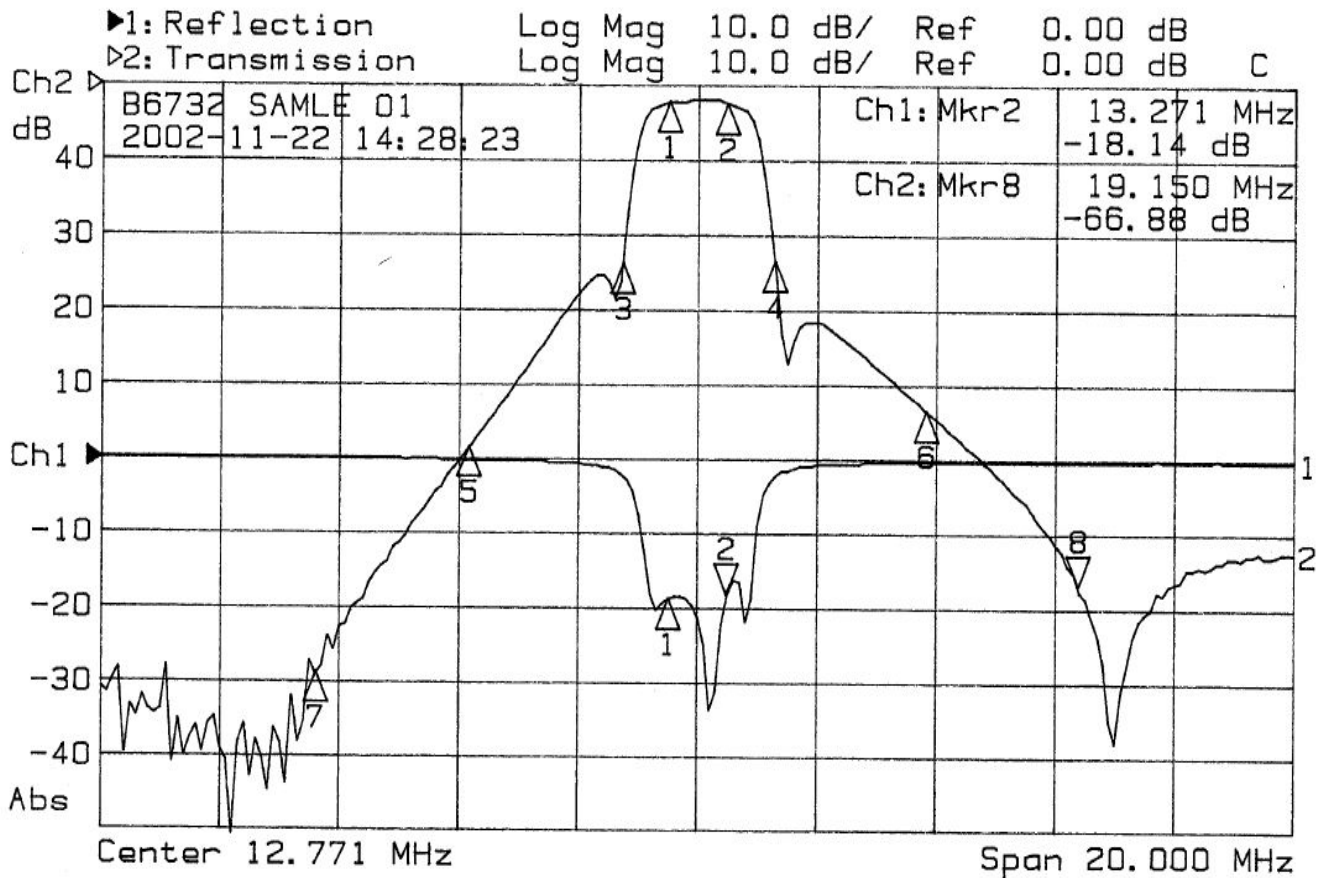
- Operating Temperature:** -25°C to +70°C
- Storage Temperature:** -40°C to +90°C
- Shock:** 10 G. 11ms
- Vibration:** 10 G. 5 to 200Hz

Outline Drawing:





Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB		
1:	12.27	-18.65	1:	12.27	-2.28
2>	13.27	-18.14	2:	13.27	-2.41
			3:	11.50	-23.67
			4:	14.05	-23.39
			5:	8.94	-48.37
			6:	16.60	-43.50
			7:	6.38	-78.87
			8>	19.15	-66.88