ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

462 MHz LC Band Pass Filter

Part Number: AE462B9020

ISO 9001 CERTIFIED

Electrical Specifications

Center Frequency: 462 MHz
Passband: 454–470 MHz
Insertion Loss @ 462MHz: 4.5 dB Max
Return Loss @ 457–467 MHz: 14 dB Min
Rejection: 60dB Min @ 0-432 MHz
Rejection: 45dB Min @ 492-1000 MHz
Impedance: 50 Ohms

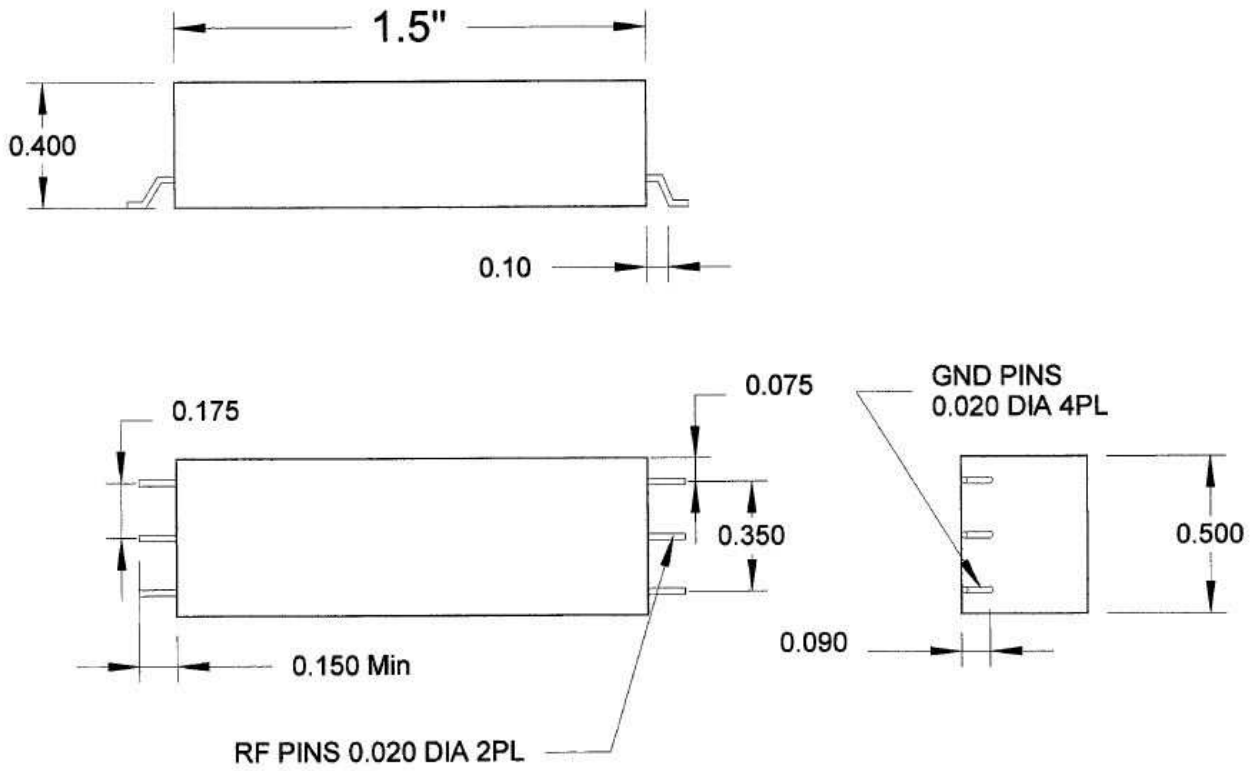
Mechanical

Mounting Method: Surface Mount
Connector Type: SMT
Dimensions: 1.5 X 0.5 x 0.4 in

Environmental

Operating Temperature: -25°C to +70°C
Storage Temperature: -55°C to +90°C
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:



2 decimal places: +/-0.01 inches [+/- 0.3mm]
3 decimal places: +/- 0.005 inches [+/- 0.13mm]
Angles: +/- 1 Deg.

DS-B9020-09232024-Rev3

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

70 Outwater Lane **Phone: (973) 772-4242**
Garfield, NJ 07026 **Fax: (973) 321-3941**
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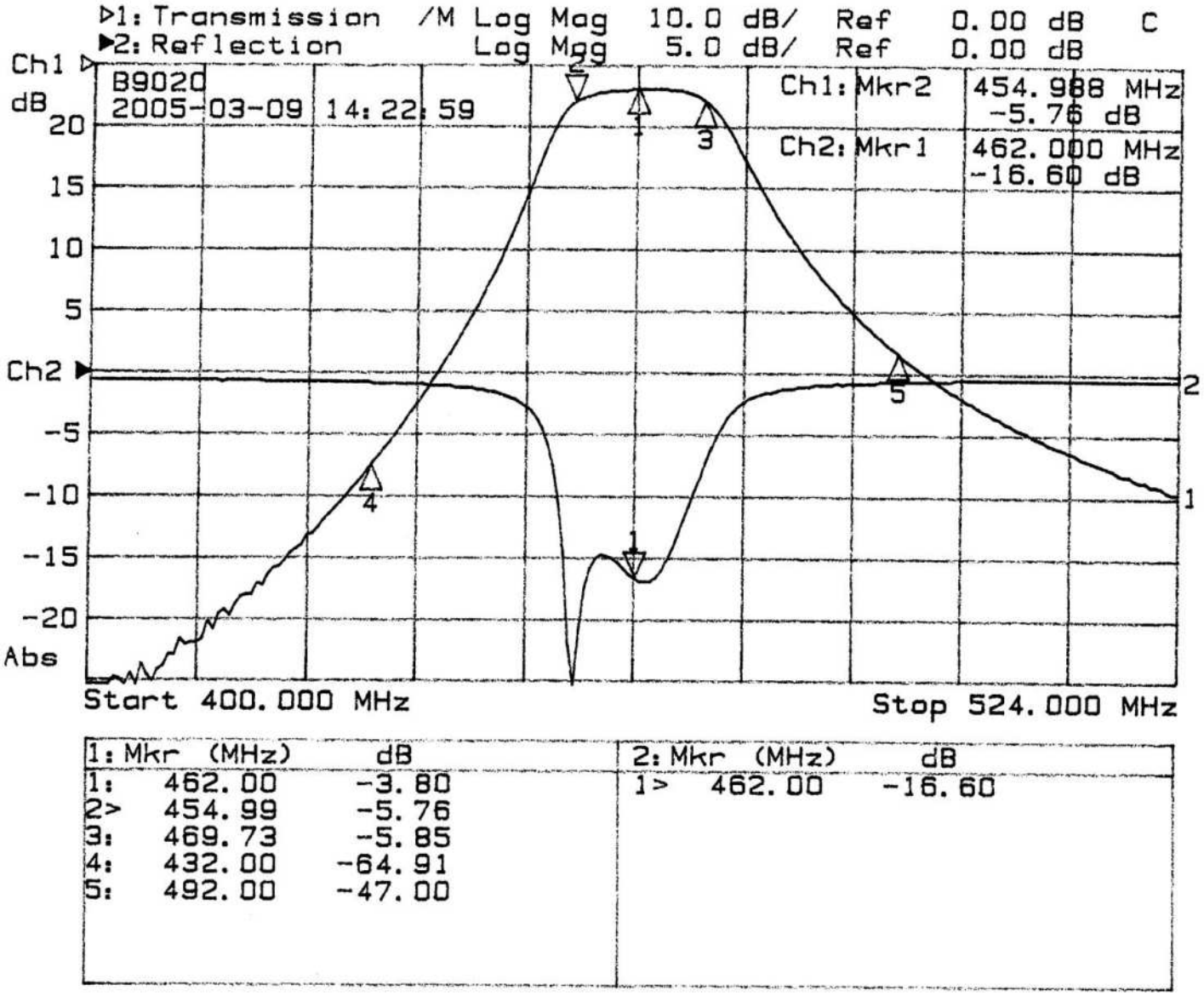
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Response Plot:



1: Mkr	(MHz)	dB
1:	462.00	-3.80
2>	454.99	-5.76
3:	469.73	-5.85
4:	432.00	-64.91
5:	492.00	-47.00

2: Mkr	(MHz)	dB
1>	462.00	-16.60

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