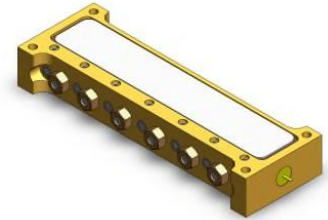


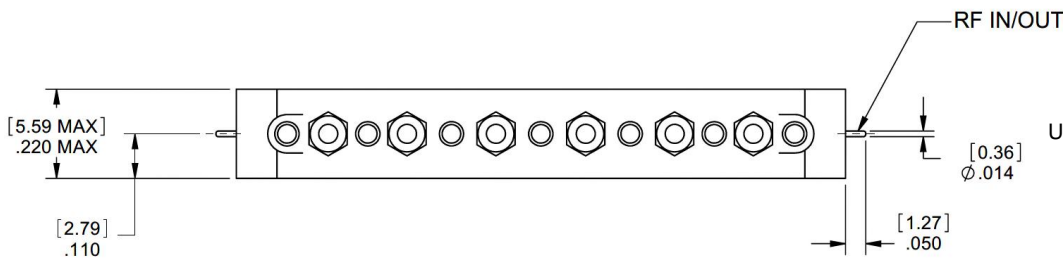
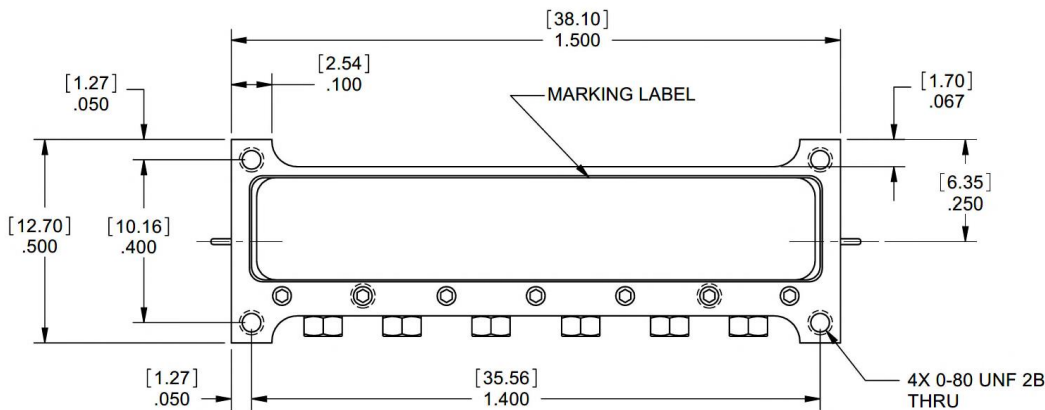
Cavity Bandpass Filter

Features/Benefits

- Surface Mount
- Made in U.S.A.



| Parameter | Specification |
|------------------------|--|
| Center Frequency (Fo) | 13000 MHz |
| Passband | -1.25 dBc max from 12750 MHz to 13250 MHz |
| Return Loss | -14 dB min from 12750 MHz to 13250 MHz |
| Insertion Loss | -2 dBa max @ 13000 MHz |
| Rejection | -60 dBa min from 250 MHz to 5700 MHz -25 dBa min from 5700 MHz to 12000 MHz -10 dBa min from 12000 MHz to 12670 MHz -30 dBa min from 13500 MHz to 15000 MHz |
| Group Delay | 1 ns max var from 12800 MHz to 13200 MHz |
| Temperature, Operating | -20°C to +70°C |
| Temperature, Storage | -55°C to +125°C |
| Mechanical Dimensions | 1.500 x 0.500 x 0.220 inches [38.10 x 12.70 x 5.59 mm] (L X W X H) |



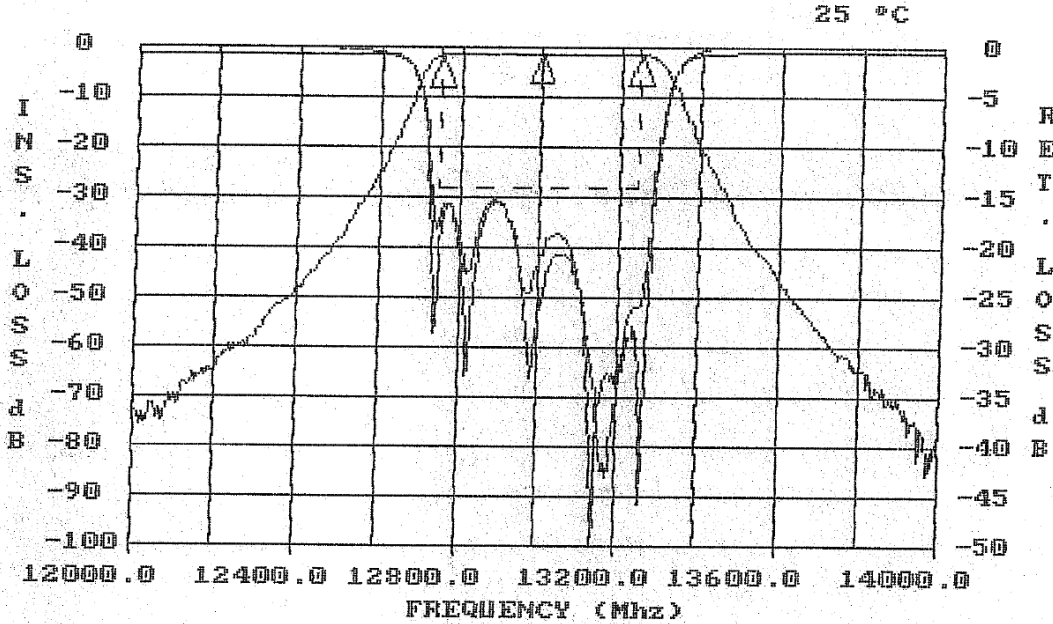
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

| INCHES | MILLIMETERS |
|---------------|----------------|
| .XX ± .02 | [X.X] ± .5 |
| .XXX ± .020 | [X.XX] ± .51 |
| .XXXX ± .0020 | [X.XXX] ± .051 |

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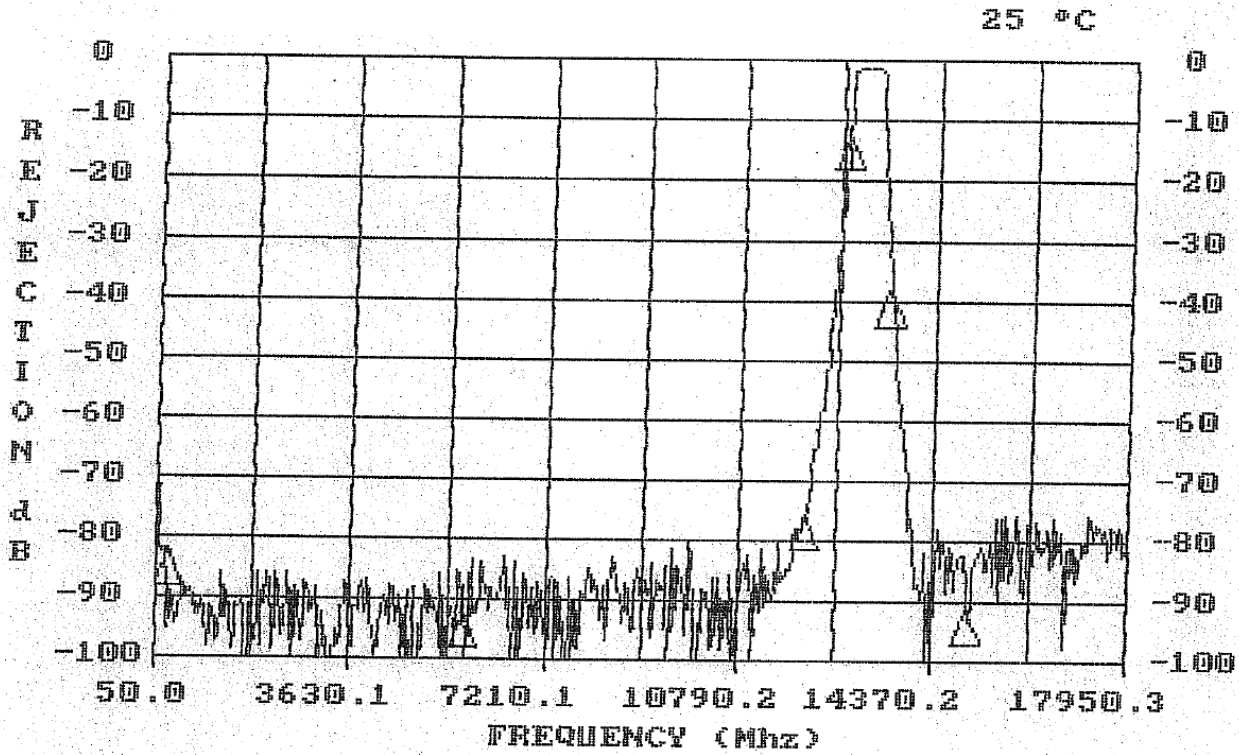


| FREQUENCY (MHZ) | VALUE | SPEC | COMMENTS |
|-----------------|-------------|--------------|--------------|
| 13000 | -1.20 dbA | -2 dbA MAX | |
| 12750 - 13250 | -.672 dbc | -1.25dbc MAX | |
| FREQUENCY (MHZ) | VALUE | SPEC | COMMENTS |
| 12800 - 13200 | .714 nsC | 1 nsC VAR | Group Delay |
| VALUE | SPEC | COMMENTS | |
| 602.0 MHZ | 500 MHZ MIN | -3dbc Width | |
| 13009.1MHZ | 12800 MIN | Center Freq. | |
| 13009.1MHZ | 13200 MAX | Center Freq. | |
| FREQUENCY (MHZ) | VALUE | SPEC | COMMENTS |
| 12750 - 13250 | -15.4 | -14 db MIN | (S11) - VSWR |
| 12750 - 13250 | -15.1 | -14 db MIN | (S22) - VSWR |

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| FREQUENCY (MHZ) | VALUE | SPEC | COMMENTS |
|-----------------|-----------|-------------|----------|
| 250 - 5700 | -85.4 dbA | -60 dbA MIN | |
| 5700 - 12000 | -75.8 dbA | -25 dbA MIN | |
| 12000 - 12670 | -12.2 dbA | -10 dbA MIN | |
| 13500 - 15000 | -34.9 dbA | -30 dbA MIN | |

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