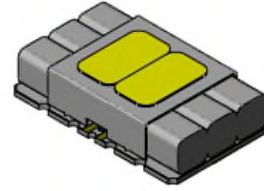


Ceramic Dualband Filter

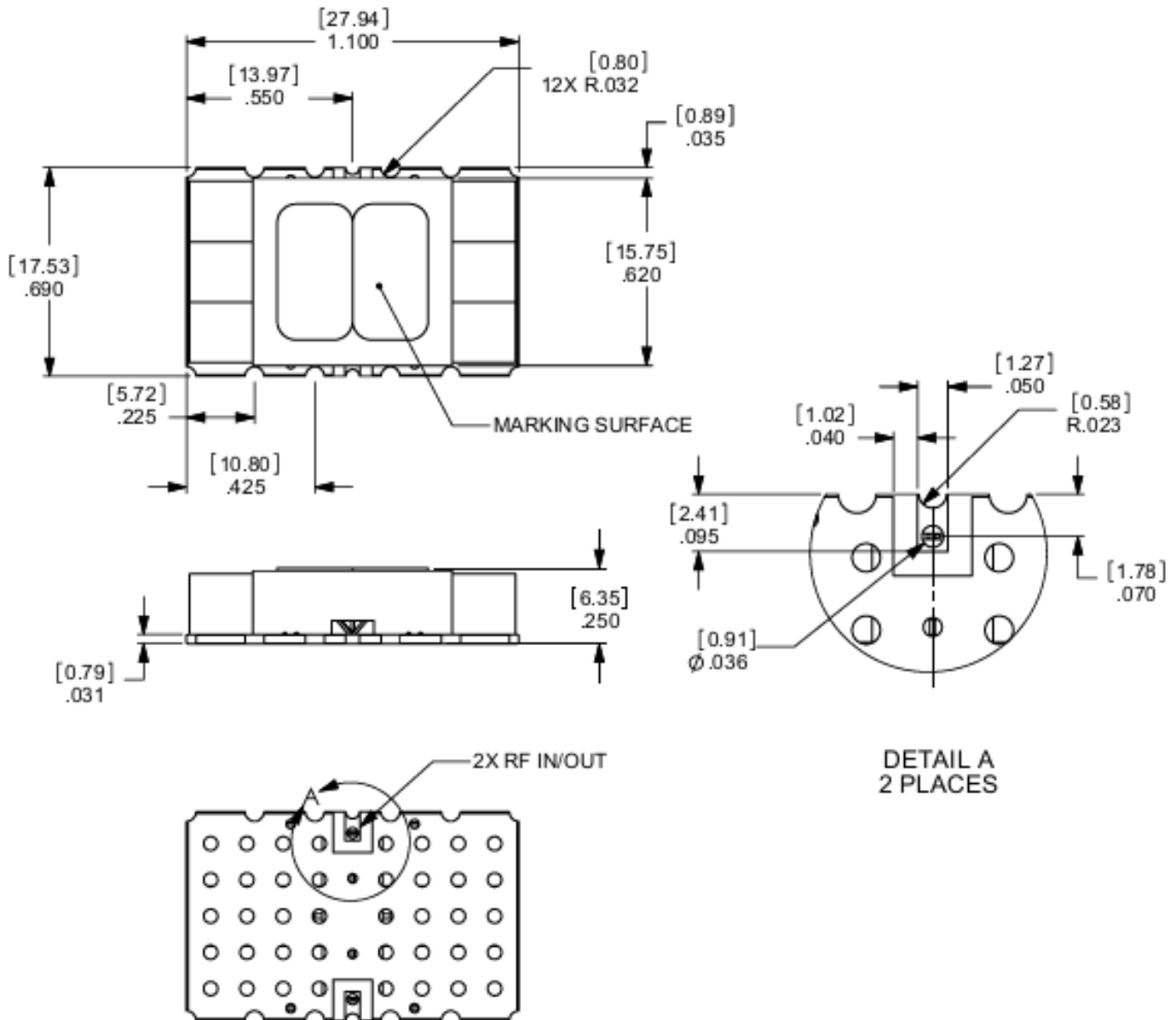
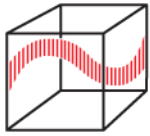
Features/Benefits

- Ceramic Filter
- Low Cost
- Made in U.S.A.



Parameter	Specification
Channel 1 (L1)	
Center Frequency (Fo)	1575.42 MHz
Passband	-0.3 dB max from 1563.42 MHz to 1587.42 MHz
Return Loss	14 dB min from 1563.42 MHz to 1587.42 MHz
Insertion Loss	1.6 dBa max from 1563.42 MHz to 1587.42 MHz
Rejection	-52 dBc min @ 960 MHz -28 dBc min @ 1315 MHz -40 dBc min @ 1440.42 MHz -32 dBc min @ 1475.42 MHz -24 dBc min @ 1505.42 MHz -19 dBc min @ 1515.42 MHz -15 dBc min @ 1542.42 MHz -15 dBc min @ 1625.42 MHz -19 dBc min @ 1635.42 MHz -24 dBc min @ 1645.42 MHz -32 dBc min @ 1675.42 MHz -40 dBc min @ 1710.42 MHz -52 dBc min @ 2000 MHz -40 dBc min @ 2000 MHz to 2500 MHz
Group Delay (ns)	2 ns max var from 1563.42 MHz to 1587.42 MHz
Channel 2 (L2)	
Center Frequency (Fo)	1227.6 MHz
Passband	-0.3 dB max from 1215.6 MHz to 1239.6 MHz
Return Loss	14 dB min from 1215.6 MHz to 1239.6 MHz
Insertion Loss	1.6 dBa max from 1215.6 MHz to 1239.6 MHz
Rejection	-52 dBc min @ 960 MHz -40 dBc min @ 1092.6 MHz -32 dBc min @ 1127.6 MHz -24 dBc min @ 1157.6 MHz -19 dBc min @ 1167.6 MHz -15 dBc min @ 1177.6 MHz -15 dBc min @ 1277.6 MHz -19 dBc min @ 1287.6 MHz -24 dBc min @ 1297.6 MHz -28 dBc min @ 1315 MHz -32 dBc min @ 1327 MHz -40 dBc min @ 1362.6 MHz -52 dBc min @ 2000 MHz -40 dBc min @ 2000 MHz to 2500 MHz
Group Delay (ns)	2 ns max var from 1215.6 MHz to 1239.6 MHz
Package Outline	IMC Document Number 621029
Temperature, Operating	-20°C to +70°C
Temperature, Storage	-55°C to +125°C
Temperature, Soldering	+215°C MAX (use convective reflow)
Mechanical Dimensions	1.100 x 0.690 x 0.250 inches [27.94 x 17.53 x 6.35 mm] (L X W X H)

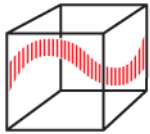
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:

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

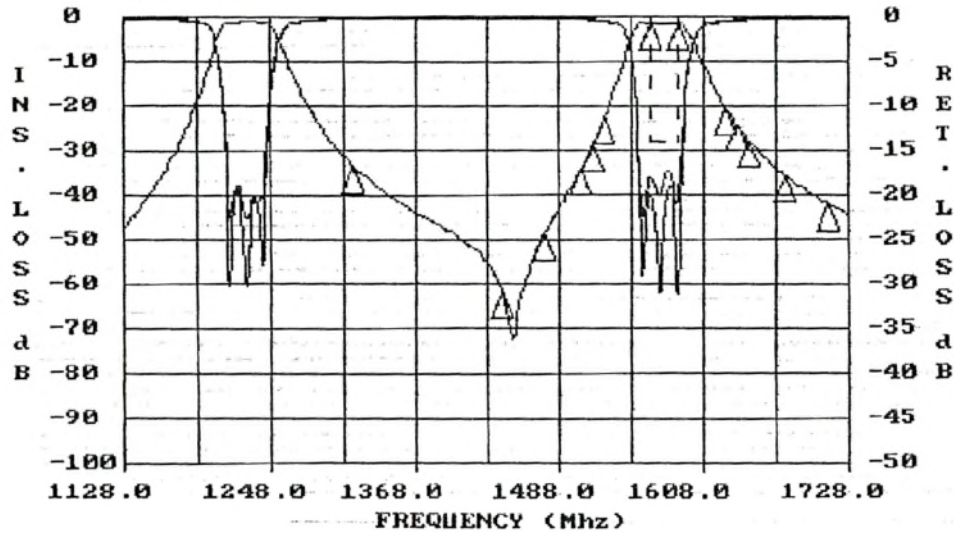
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IMC P/N 933421CH1

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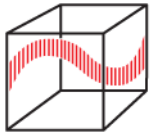
05-20-2004

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FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1315	-31.9 dbC	-28 dbC MIN	
1440.42	-60.6 dbC	-40 dbC MIN	
1475.42	-47.6 dbC	-32 dbC MIN	
1505.42	-33.1 dbC	-24 dbC MIN	
1515.42	-27.6 dbC	-19 dbC MIN	
1525.42	-21.3 dbC	-15 dbC MIN	
1625.42	-18.9 dbC	-15 dbC MIN	
1635.42	-23.0 dbC	-19 dbC MIN	
1645.42	-26.5 dbC	-24 dbC MIN	
1675.42	-34.4 dbC	-32 dbC MIN	
1710.42	-40.5 dbC	-40 dbC MIN	
1563.4- 1587.42	-1.52 dbA	-1.6 dbA MAX	
1563.4- 1587.42	-.268 dbC	-.3 dbC MAX	
<hr/>			
FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1563.4- 1587.42	3.62 nsC	4 nsC VAR	Group Delay
<hr/>			
FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1563.4- 1587.42	-17.4	-14 db MIN	(S11) - VSWR
1563.4- 1587.42	-19.0	-14 db MIN	(S22) - VSWR

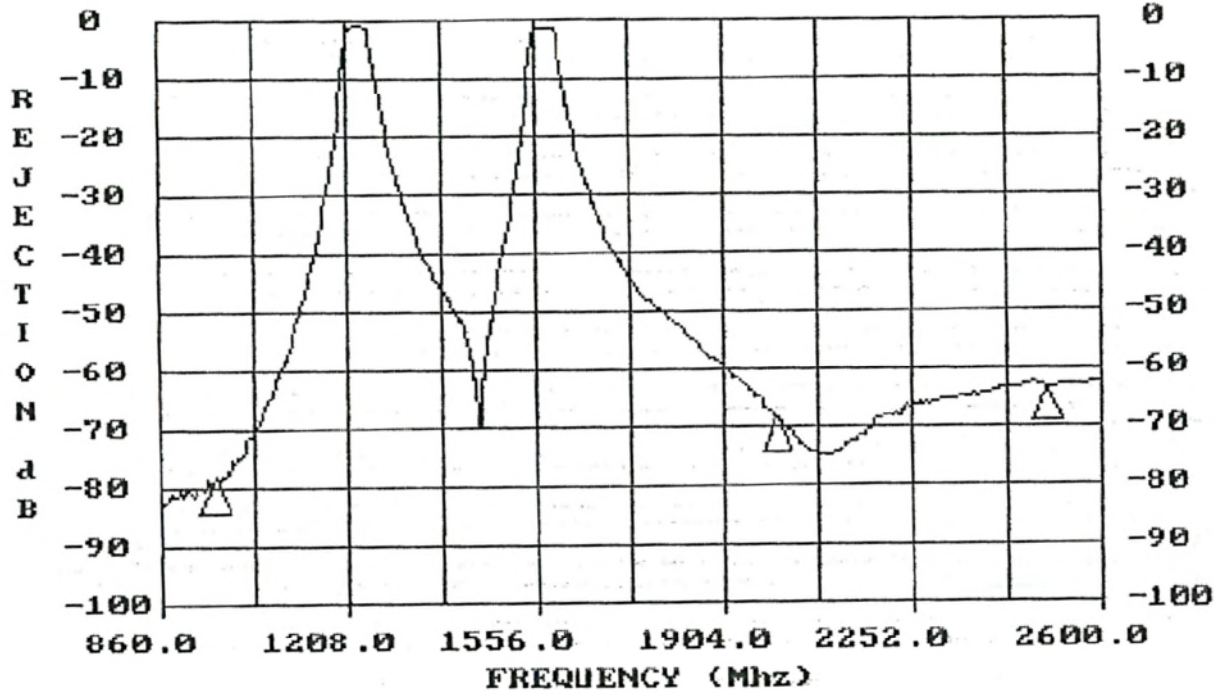
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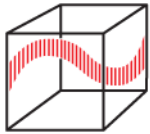
05-20-2004

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FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
960	-76.9 dBc	-52 dBc MIN	
2000	-66.8 dBc	-52 dBc MIN	
2000 - 2500	-61.3 dBc	-40 dBc MIN	

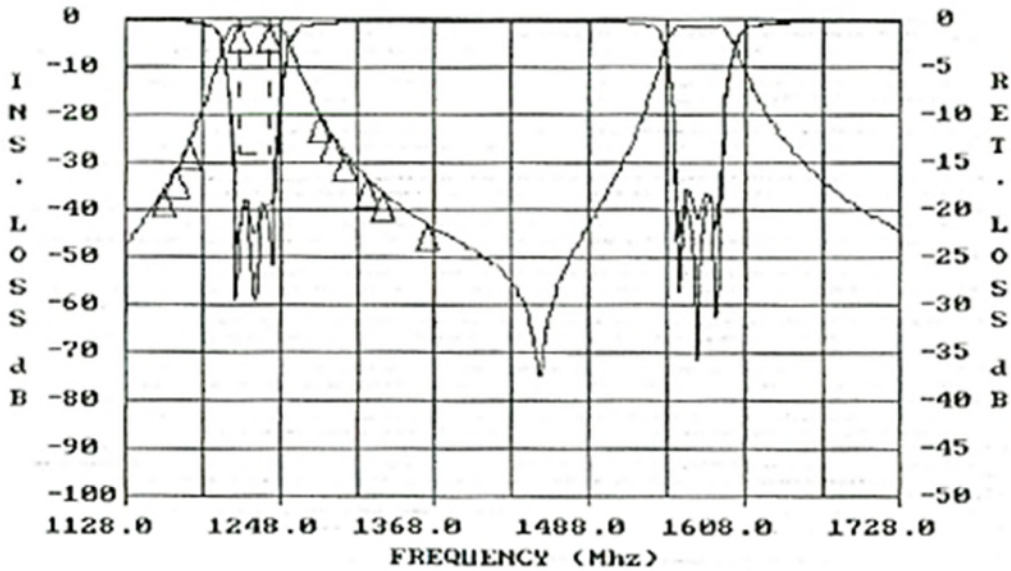
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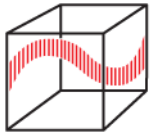
S/N

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1157.6	-34.9 dbC	-24 dbC MIN	
1167.6	-30.1 dbC	-19 dbC MIN	
1177.6	-24.5 dbC	-15 dbC MIN	
1277.6	-18.5 dbC	-15 dbC MIN	
1287.6	-23.1 dbC	-19 dbC MIN	
1297.6	-26.9 dbC	-24 dbC MIN	
1315	-32.2 dbC	-28 dbC MIN	
1327.6	-35.3 dbC	-32 dbC MIN	
1362.6	-41.9 dbC	-40 dbC MIN	
1215.6- 1239.6	-1.2 dbA	-1.6 dbA MAX	
1215.6- 1239.6	-.175 dbC	-.3 dbC MAX	

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1215.6- 1239.6	3.41 nsC	4 nsC VAR	Group Delay

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1215.6- 1239.6	-18.9	-14 db MIN	(S11) - VSWR
1215.6- 1239.6	-19.5	-14 db MIN	(S22) - VSWR

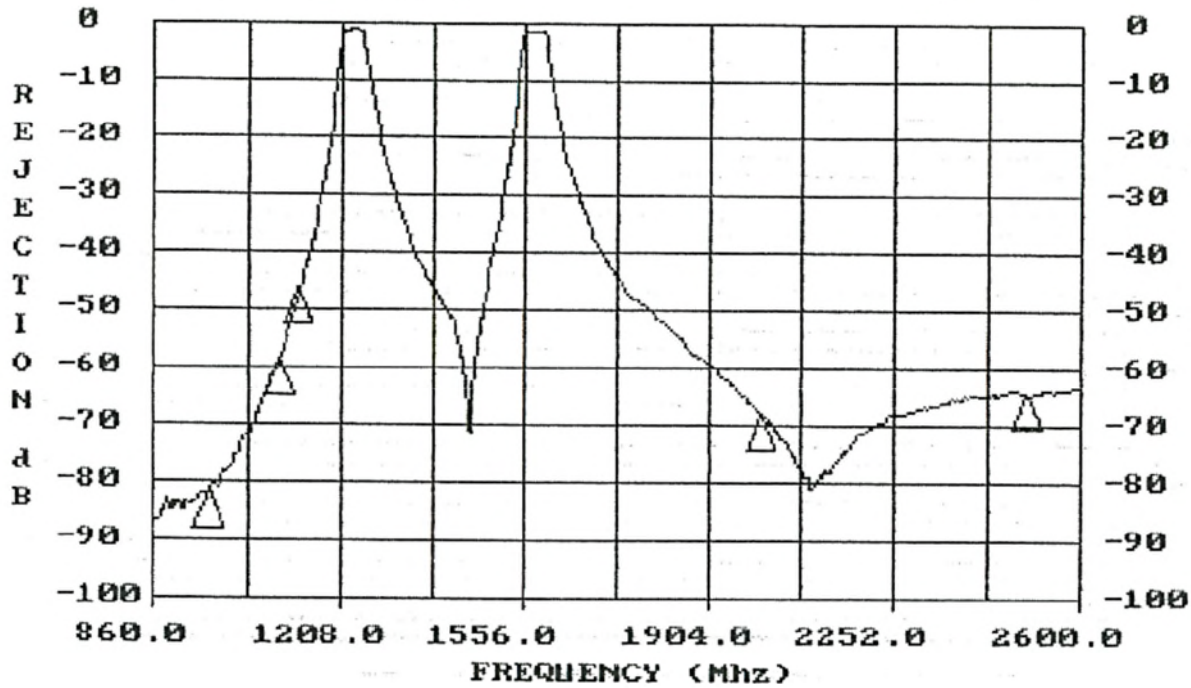
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FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
960	-80.8 dbC	-52 dbC MIN	
1092.6	-57.0 dbC	-40 dbC MIN	
1127.6	-46.0 dbC	-32 dbC MIN	
2000	-67.1 dbC	-52 dbC MIN	
2000 - 2500	-62.7 dbC	-40 dbC MIN	

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