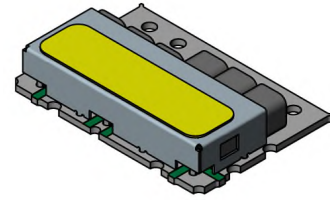


Ceramic Diplexer Filter

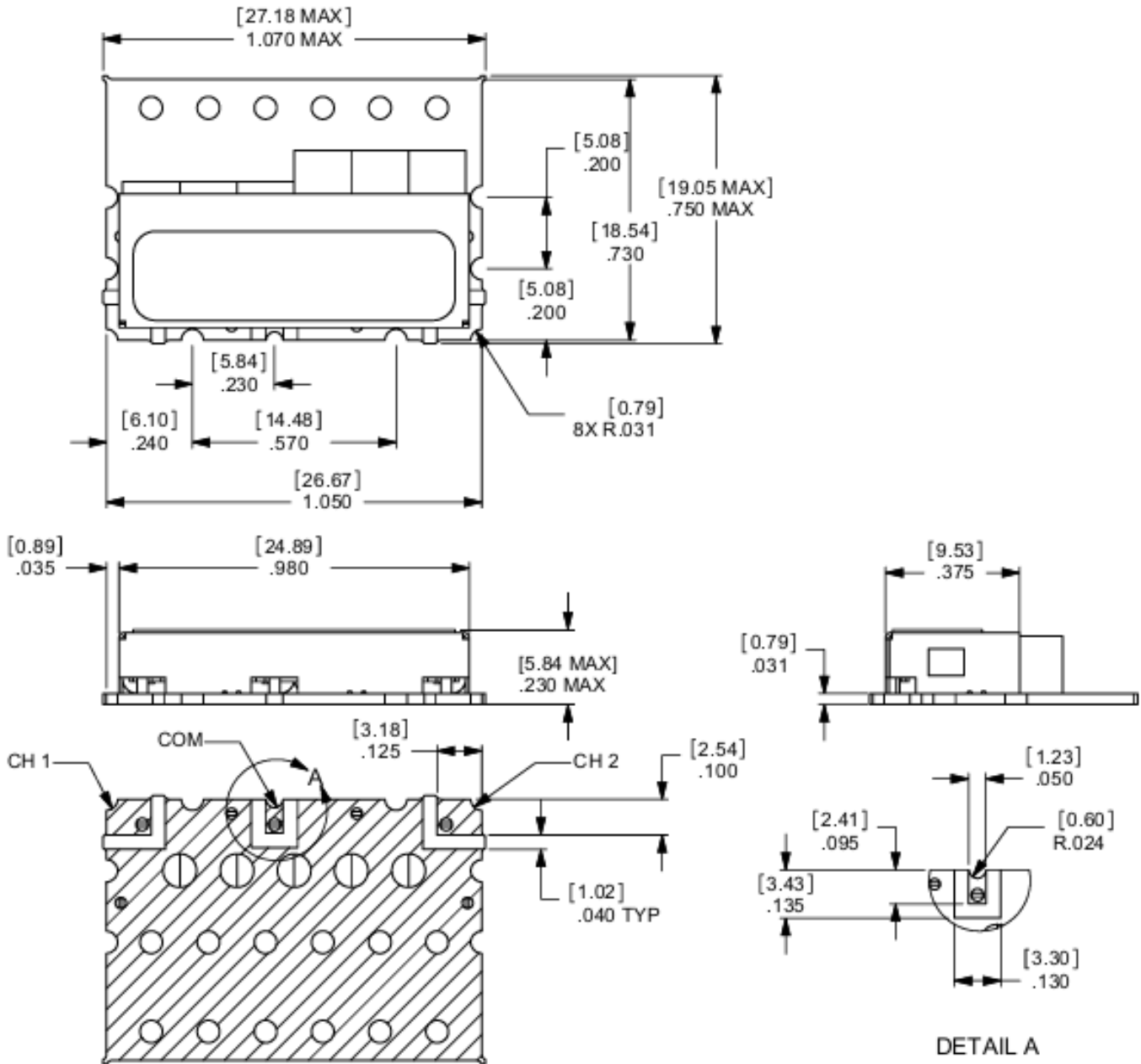
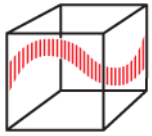
Features/Benefits

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



Parameter	Specification
Channel 1 (L1)	
Center Frequency (Fo)	1575.42 MHz
Passband	-0.6 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	2.5 dBa max from 1563.42 MHz to 1587.42 MHz
Rejection	-52 dBc min @ 960 MHz -32 dBc min @ 1315 MHz -40 dBc min @ 1440.42 MHz -35 dBc min @ 1475.42 MHz -28 dBc min @ 1505.42 MHz -26 dBc min @ 1515.42 MHz -20 dBc min @ 1542.42 MHz -20 dBc min @ 1625.42 MHz -26 dBc min @ 1635.42 MHz -28 dBc min @ 1645.42 MHz -35 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)	3 ns max var from 1563.42 MHz to 1587.42 MHz
Channel 2 (L2)	
Center Frequency (Fo)	1227.6 MHz
Passband	-0.6 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	2.5 dBa max from 1215.6 MHz to 1239.6 MHz
Rejection	-52 dBc min @ 960 MHz -40 dBc min @ 1092.6 MHz -35 dBc min @ 1127.6 MHz -28 dBc min @ 1157.6 MHz -26 dBc min @ 1167.6 MHz -20 dBc min @ 1177.6 MHz -20 dBc min @ 1277.6 MHz -26 dBc min @ 1287.6 MHz -28 dBc min @ 1297.6 MHz -32 dBc min @ 1315 MHz -35 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)	3 ns max var from 1215.6 MHz to 1239.6 MHz
Package Outline	IMC Document Number 621026
Temperature, Operating	-20°C to +70°C
Temperature, Storage	-55°C to +125°C
Temperature, Soldering	+215°C MAX (use convective reflow)
Mechanical Dimensions	1.070 x 0.750 x 0.230 inches [27.18 x 19.05 x 5.84 mm] (L X W X H)

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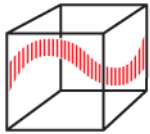


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

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

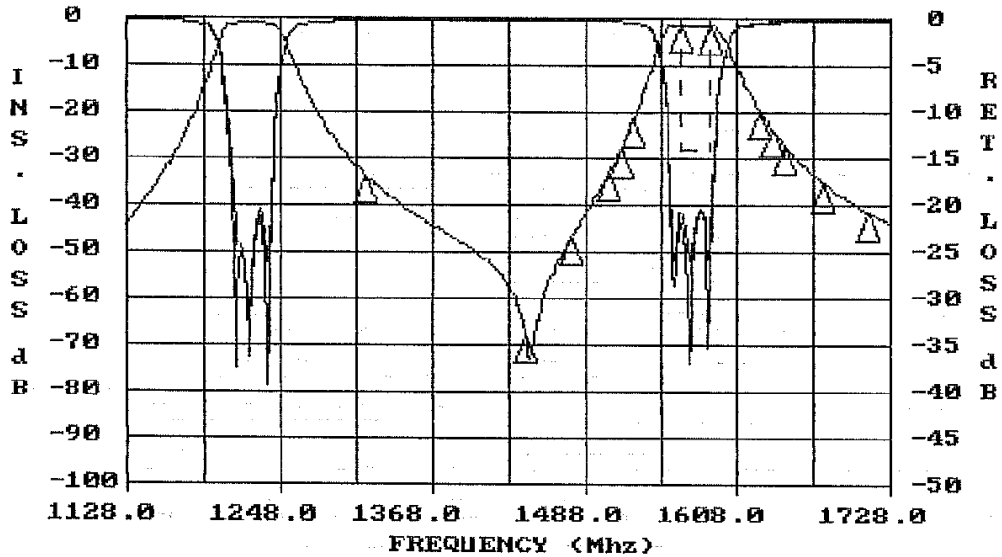
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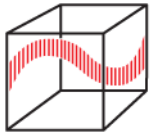
S/N

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1315	-32.5 dbc	-28 dbc MIN	
1440.42	-67.3 dbc	-40 dbc MIN	
1475.42	-45.9 dbc	-32 dbc MIN	
1505.42	-32.1 dbc	-24 dbc MIN	
1515.42	-26.8 dbc	-19 dbc MIN	
1525.42	-20.6 dbc	-15 dbc MIN	
1625.42	-18.5 dbc	-15 dbc MIN	
1635.42	-22.6 dbc	-19 dbc MIN	
1645.42	-26.1 dbc	-24 dbc MIN	
1675.42	-34.1 dbc	-32 dbc MIN	
1710.42	-40.3 dbc	-40 dbc MIN	
1563.4- 1587.42	-1.38 dbA	-1.6 dbA MAX	
1563.4- 1587.42	-.252 dbc	-.3 dbc MAX	

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1563.4- 1587.42	3.29 nsc	4 nsc VAR	Group Delay

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1563.4- 1587.42	-20.4	-14 db MIN	(S11) - VSWR
1563.4- 1587.42	-20.4	-14 db MIN	(S22) - VSWR

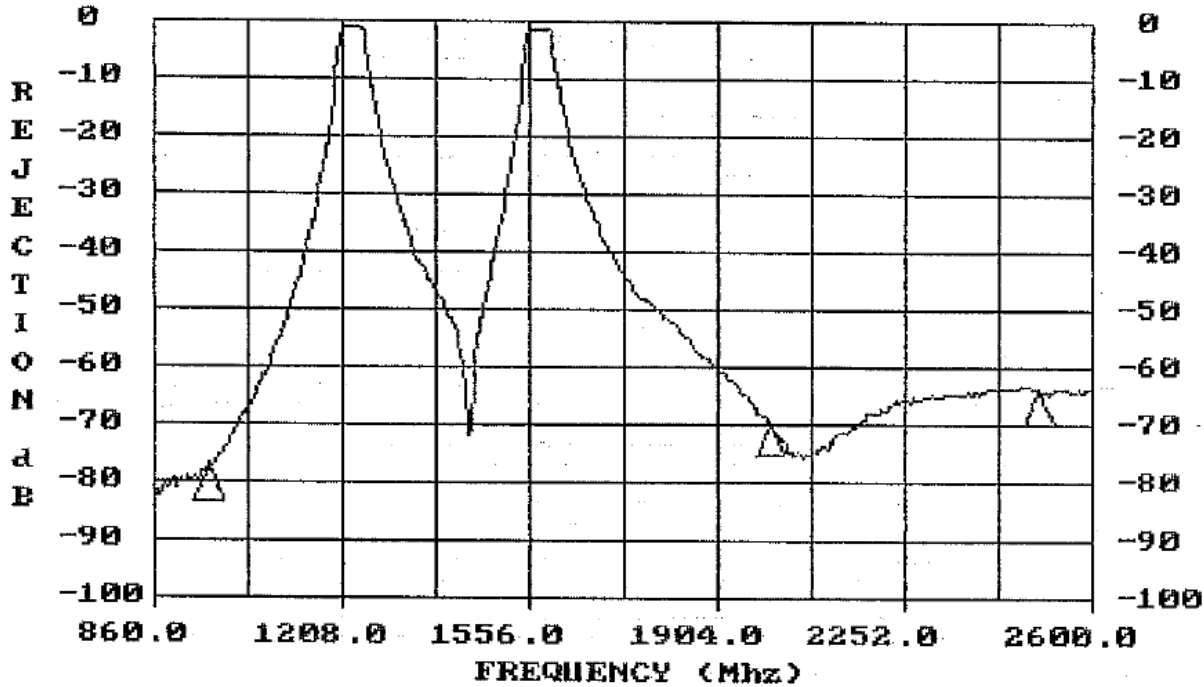
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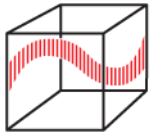
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FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
960	-76.3 dbC	-52 dbC MIN	
2000	-68.4 dbC	-52 dbC MIN	
2000 - 2500	-62.2 dbC	-40 dbC MIN	

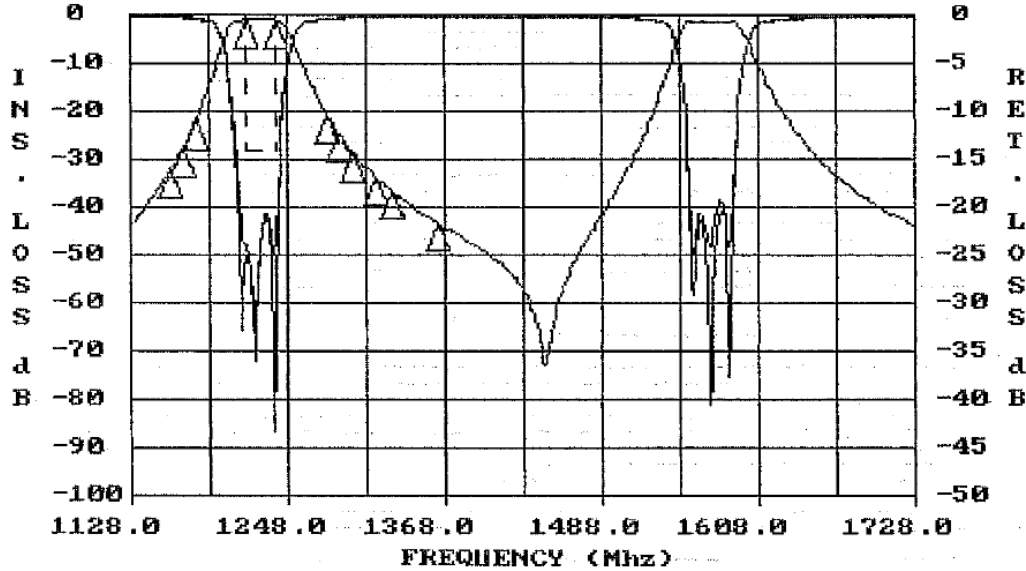
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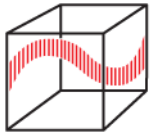
S/N

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1157.6	-31.5 dBc	-24 dBc MIN	
1167.6	-26.5 dBc	-19 dBc MIN	
1177.6	-20.7 dBc	-15 dBc MIN	
1277.6	-19.5 dBc	-15 dBc MIN	
1287.6	-23.8 dBc	-19 dBc MIN	
1297.6	-27.5 dBc	-24 dBc MIN	
1315	-32.6 dBc	-28 dBc MIN	
1327.6	-35.7 dBc	-32 dBc MIN	
1362.6	-42.4 dBc	-40 dBc MIN	
1215.6- 1239.6	-1.14 dbA	-1.6 dbA MAX	
1215.6- 1239.6	-.21 dBc	-.3 dBc MAX	

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1215.6- 1239.6	3.47 nsC	4 nsC VAR	Group Delay

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1215.6- 1239.6	-20.6	-14 db MIN	(S11) - VSWR
1215.6- 1239.6	-20.5	-14 db MIN	(S22) - VSWR

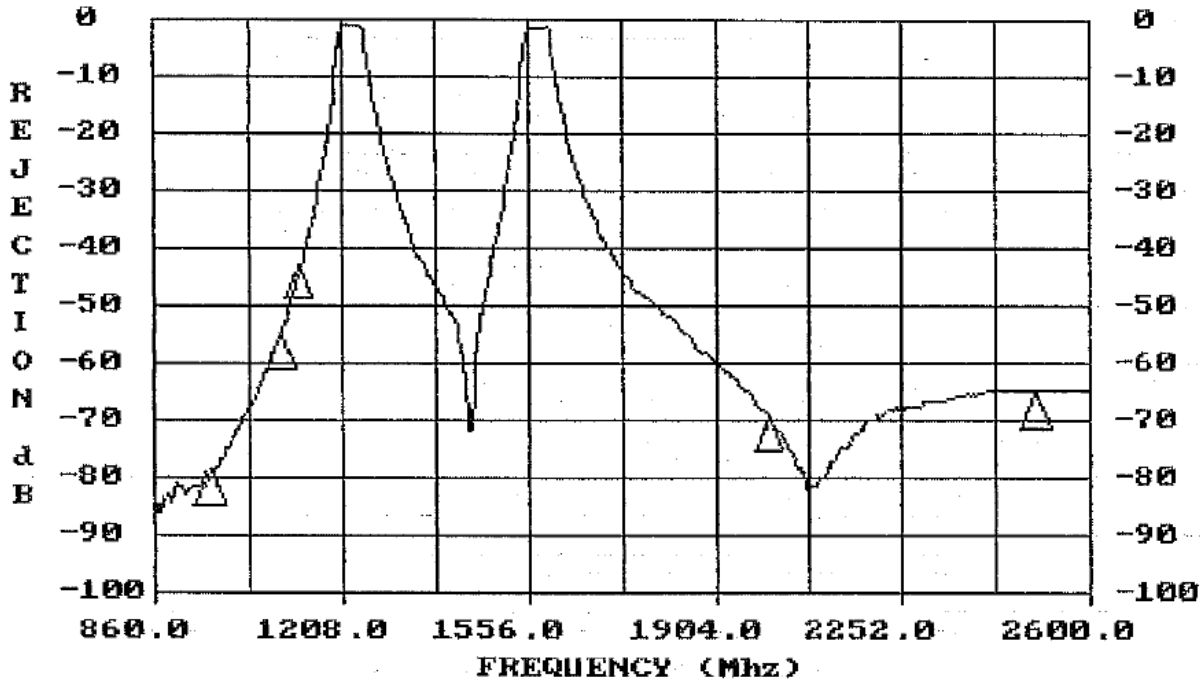
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FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
960	-77.8 dBc	-52 dBc MIN	
1092.6	-53.5 dBc	-40 dBc MIN	
1127.6	-42.7 dBc	-32 dBc MIN	
2000	-68.3 dBc	-52 dBc MIN	
2000 - 2500	-63.4 dBc	-40 dBc MIN	

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