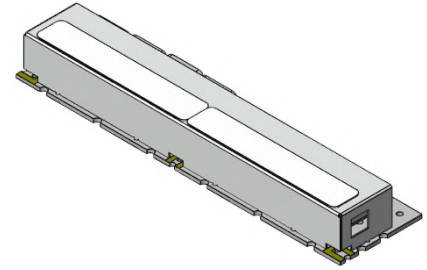


Ceramic Diplexer Filter

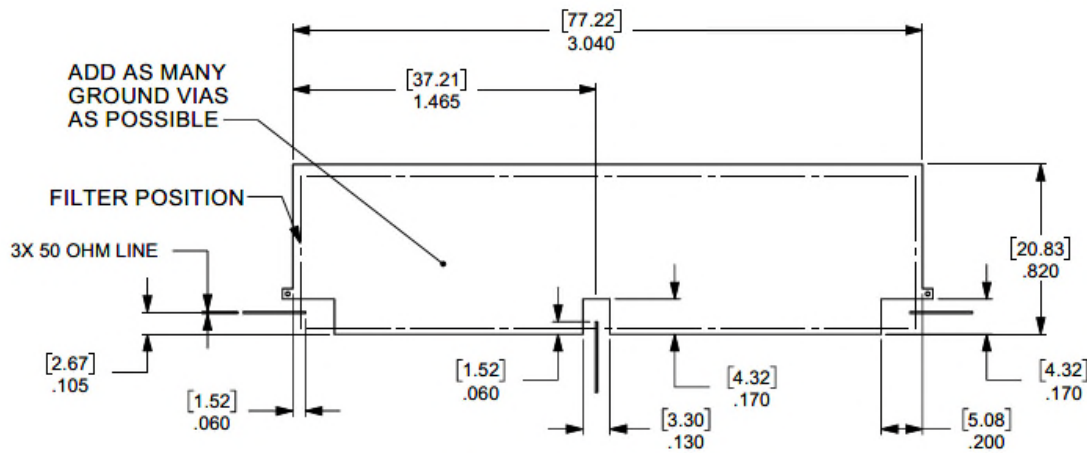
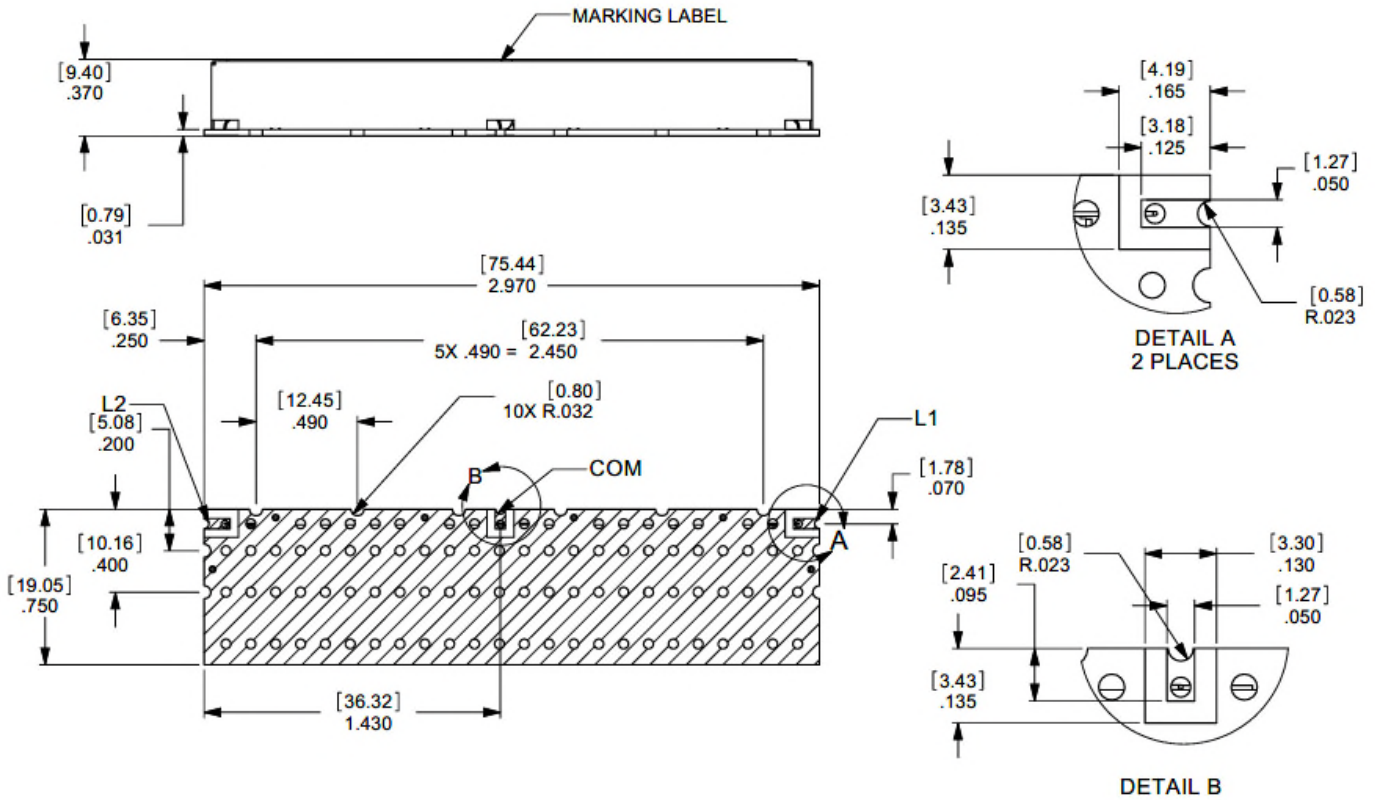
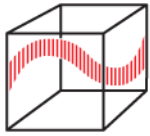
Features/Benefits

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



Parameter	Specification
Ch 1	
Center Frequency (Fo)	1227 MHz
Passband	0.2 dB from 1217 MHz to 1237 MHz
Return Loss	15 dB from 1217 MHz to 1237 MHz
Insertion Loss	0.75 dBa max @ 1227
Rejection	-30 dBc min @ 1130 MHz -30 dBc min @ 1335 MHz
Ch 2	
Center Frequency (Fo)	1555 MHz
Passband	0.2 dB from 1530 MHz to 1580 MHz
Return Loss	15 dB from 1530 MHz to 1580 MHz
Insertion Loss	0.5 dBa max @ 1555 MHz
Rejection	-30 dBc min @ 1050 MHz -30 dBc min @ 1410 MHz -20 dBc min @ 1625 MHz
Package Outline	IMC Document Number 623381
Temperature, Operating	-20°C to +70°C
Temperature, Storage	-55°C to +125°C
Temperature, Soldering	+215°C MAX (use convective reflow)
Mechanical Dimensions	2.970 x 0.750 x 0.370 inches [75.44 x 19.05 x 9.40 mm] (L X W X H)

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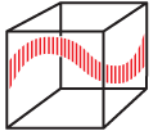
RECOMMENDED PAD LAYOUT

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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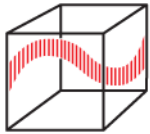
Data Sheet

IMC P/N: 942921

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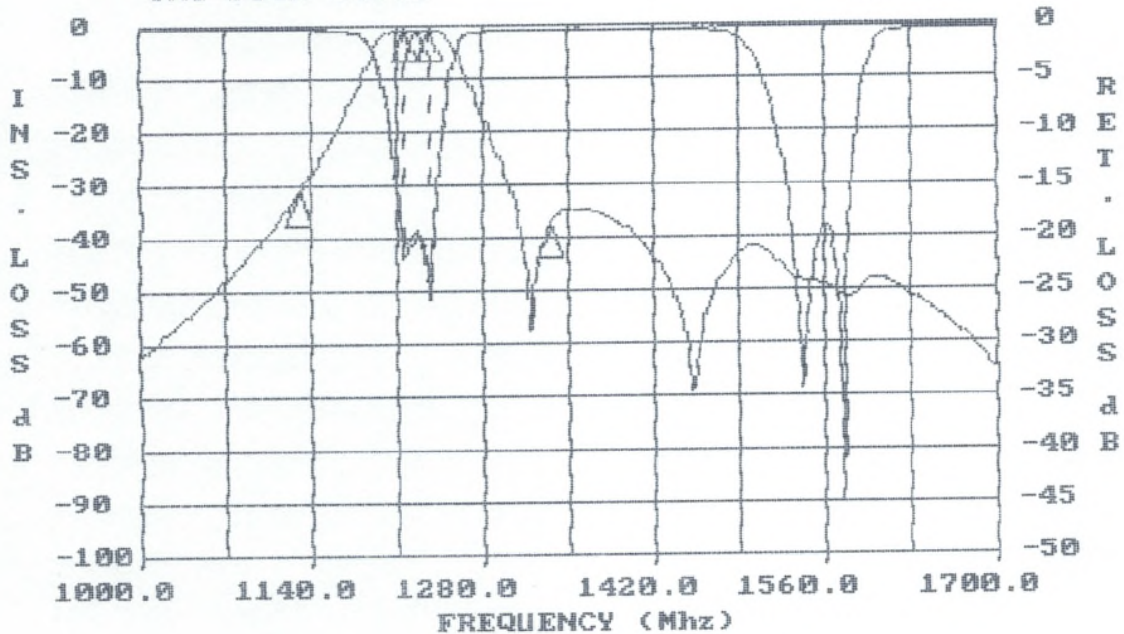
Product and product information are subject to change without notice.



INTEGRATED MICROWAVE CO

IMC FSCM 60656

25 °C



IMC P/N 942921ch1

REVISION

TESTED BY 0895

03-23-2018

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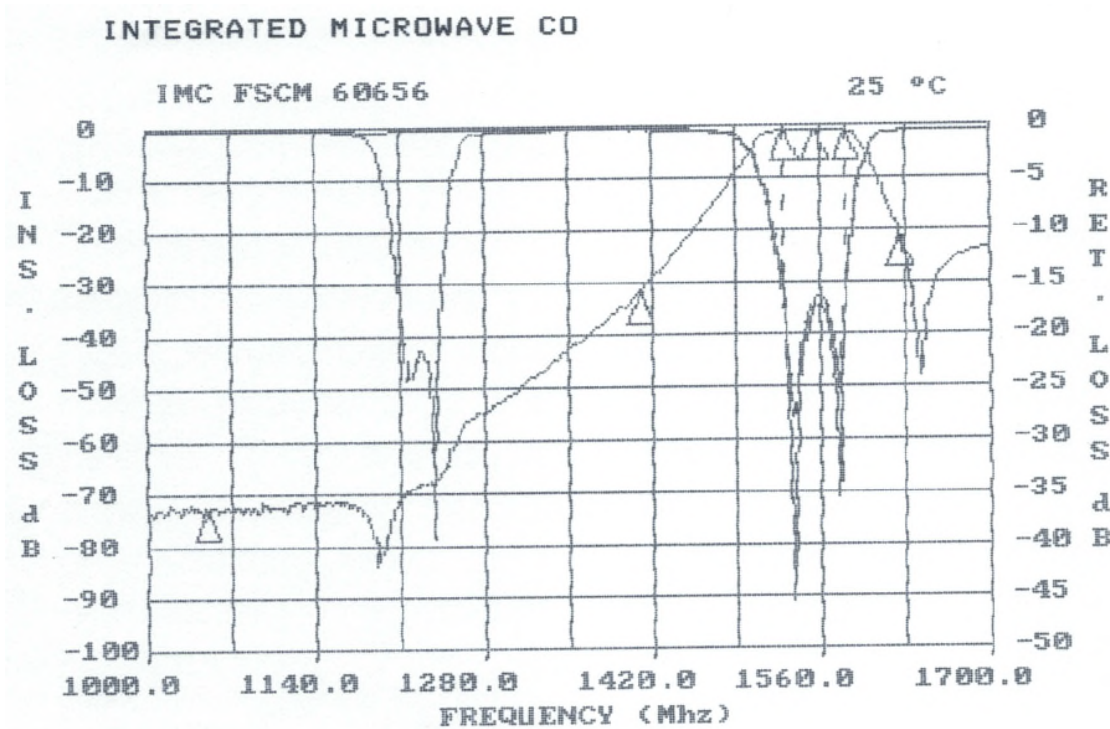
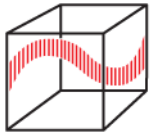
S/N

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1227	-6.68 dbA	-0.75 dbA MAX	
1130	-30.6 dbC	-30 dbC MIN	
1335	-36.9 dbC	-30 dbC MIN	
1217 - 1237	-.013 dbC	-.2 dbC MAX	

VALUE	SPEC	COMMENTS
61.25 MHZ	20 MHZ MIN	-3dbC Width
61.25 MHZ	500 MHZ MAX	-3dbC Width
1224.80MHZ	1217 MIN	Center Freq.
1224.80MHZ	1237 MAX	Center Freq.

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1217 - 1237	-19.8	-15 db MIN	(S11) - VSWR
1217 - 1237	-19.4	-15 db MIN	(S22) - VSWR

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S/N

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1555	-6.89 dbA	-.75 dbA MAX	
1050	-72.2 dbC	-30 dbC MIN	
1410	-31.0 dbC	-30 dbC MIN	
1625	-20.6 dbC	-20 dbC MIN	
1530 - 1580	-.17 dbC	-.2 dbC MAX	

VALUE	SPEC	COMMENTS
87.25 MHZ	50 MHZ MIN	-3dbC Width
87.25 MHZ	500 MHZ MAX	-3dbC Width
1550.49MHZ	1530 MIN	Center Freq.
1550.49MHZ	1580 MAX	Center Freq.

FREQUENCY (MHZ)	VALUE	SPEC	COMMENTS
1530 - 1580	-16.4	-15 db MIN	(S11) - VSWR
1530 - 1580	-17.3	-15 db MIN	(S22) - VSWR

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