Ceramic Monoblock Bandpass Filter

CTS WIRELESS COMPONENTS

Model KFF6538A Technical Data

Features:

- Small Size
- High Performance
- SMD

Description and Applications:

This is a 2 pole monoblock Bandpass filter at the L2 Band for GPS applications.

Electrical Specifications

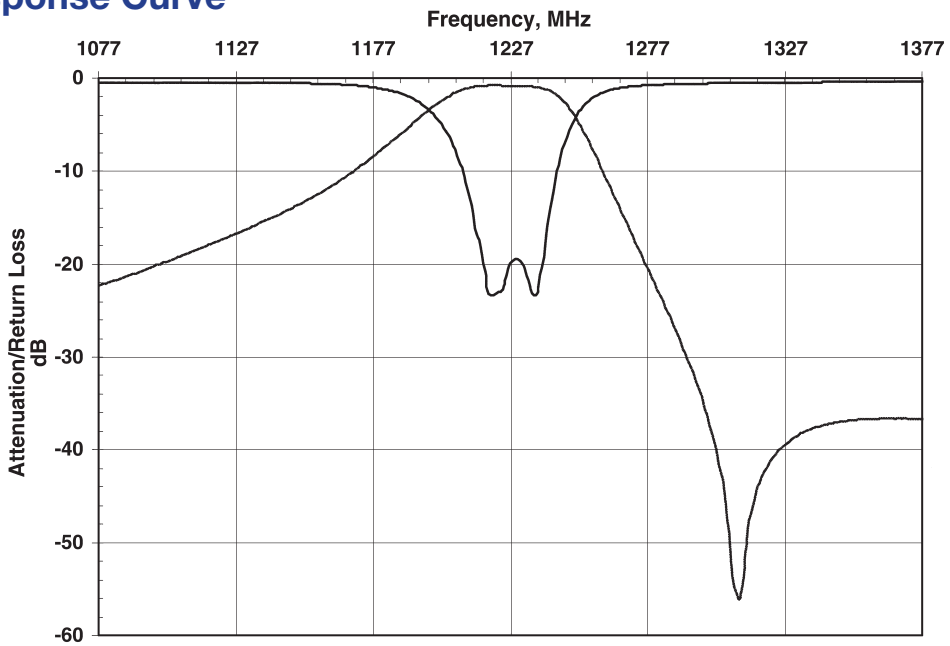
Parameters	Frequency	Specifications @ 25° C
Insertion Loss	1217.6 MHz to 1237.6 MHz	1.5 dB max.
Forward Return Loss		10.0 dB min.
Attenuation	1087.6 MHz	19.0 dB min.
Attenuation	1367.6 MHz	31.0 dB min.
Power Rating		1 W
Impedance		50 Ω

NOTE: Supplier shall test each filter to the critical electrical specifications listed above or better. Any subsequent audits may deviate due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

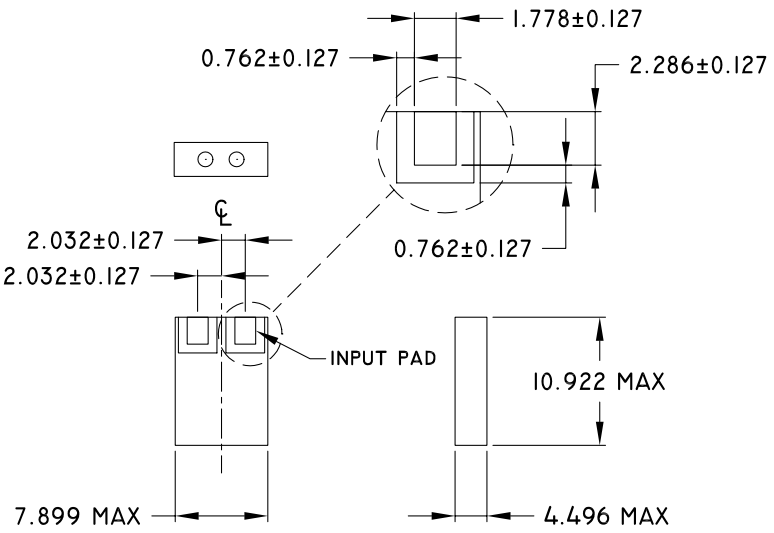
Specification	Typical Allowance
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Rev. 1

Typical Response Curve

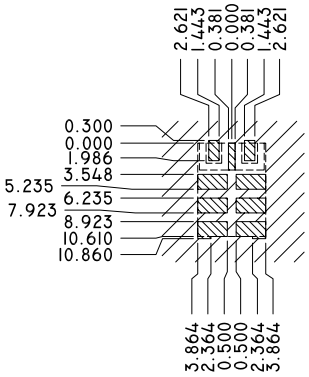


Mechanical Dimensions



All dimensions in mm

PC Board Layout



FILTER OUTLINE

EXPOSED CONDUCTOR

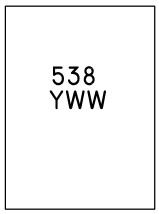
SOLDER RESIST OVER DIELECTRIC

SOLDER RESIST OVER CONDUCTOR

NOTES:

1. NO CONDUCTOR BENEATH I/O GAP.
2. I/O PADS 0.3 MM SMALLER THAN FILTER PADS.
3. I/O GAPS 0.5 MM LARGER THAN FILTER GAPS.
4. EXPOSED CONDUCTOR PADS ALIGN TO EDGE OF FILTER.

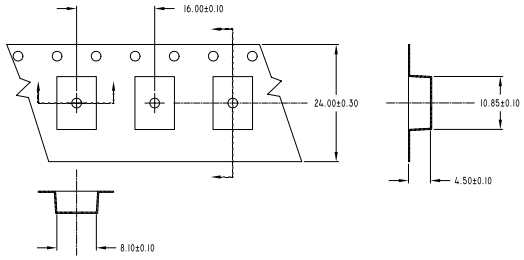
Part Marking



Y = LAST DIGIT OF YEAR
WW = SEQUENTIAL WEEK NUMBER

Packaging

Reel Quantity: 1000 pcs. max.
Reel Weight: 4 lbs. max.



Contact Information:

CTS WIRELESS COMPONENTS, INC. / 171 Covington Drive / Bloomingdale, IL 60108
PHONE: (800) 757-6686 / www.ctscorp.com

Document Control #6287066Y01 Rev 1
Date of Origin 04/03/01
Date of Revision 04/03/01