

Ceramic Monoblock Bandpass Filter

CTS

WIRELESS COMPONENTS

Model KFF6133A Technical Data

Features:

- Small Size
- High Performance
- SMD

Description and Applications:

This is a 4 pole monoblock Bandpass filter at the L1 Band for GPS applications.



Electrical Specifications

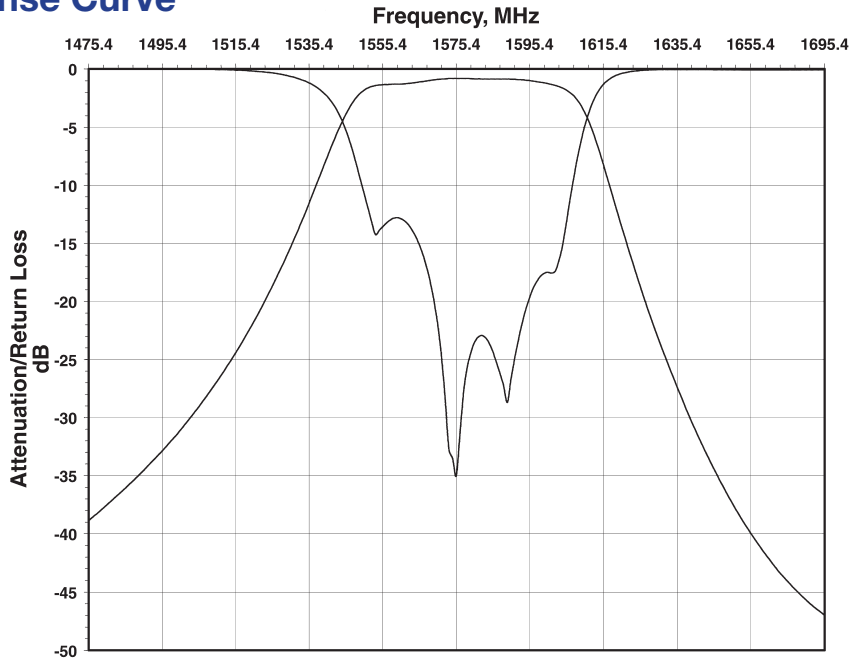
Parameters	Frequency	Specifications @ 25° C
Insertion Loss	1574.4 MHz to 1576.4 MHz	1.0 dB max.
Forward Return Loss		15.0 dB min.
Attenuation	1525.4 MHz	17.0 dB min.
Attenuation	1625.4 MHz	17.0 dB min.
Power Rating		1 W
Impedance		50 Ω

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:

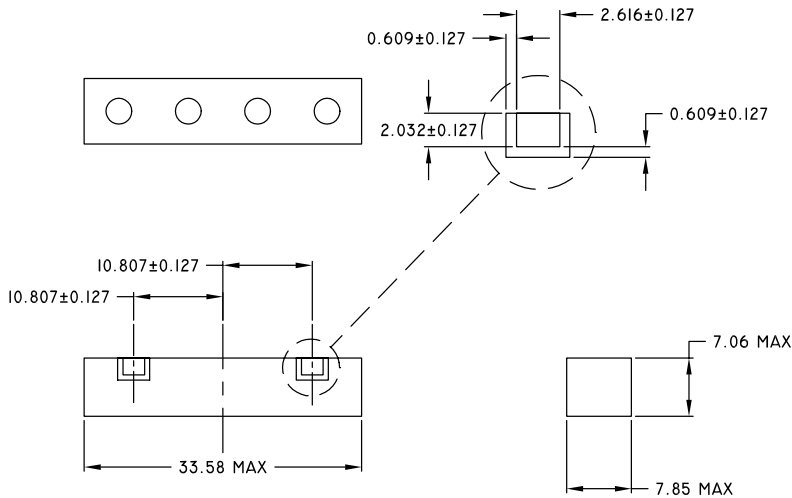
Specification	Typical Allowance
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Rev. 2

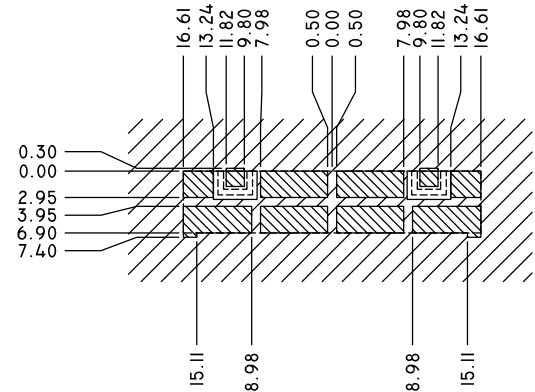
Typical Response Curve



Mechanical Dimensions



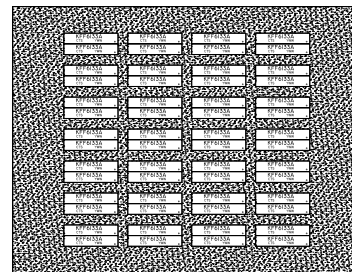
PC Board Layout



- 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.

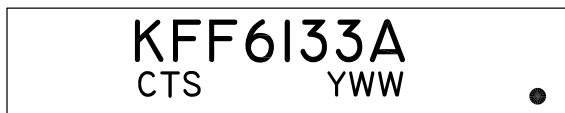
Packaging

This product is shipped in pre-formed foam trays.



Part Marking

Y = LAST DIGIT OF YEAR
WW = SEQUENTIAL WEEK NUMBER



Contact Information:

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