

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Ceramic Monoblock Bandpass Filter



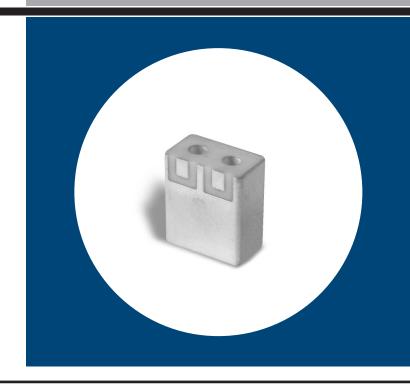
Model KFF6193A Technical Data

Features:

- Small Size
- High Performance
- SMD

Description and Applications:

This 2 pole monoblock filter is primarily designed for ISM applications at 915 MHz.



Electrical Specifications

Parameters	Frequency	Specifications @ 25°C
Insertion Loss	902 MHz to 928 MHz	2.0 dB max.
Forward Return Loss		10.0 dB min.
Attenuation	710 MHz	30.0 dB min.
Power Rating		1W
Impedance		50Ω

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

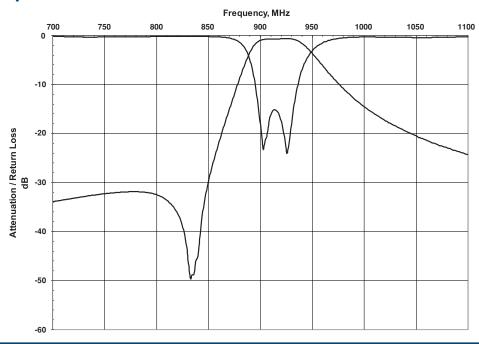
 Insertion Loss
 0.1dB

 Return Loss
 1.0dB

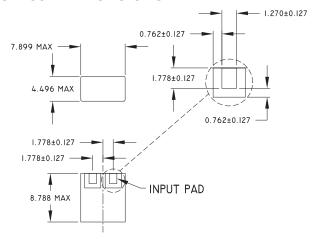
 Stopbands
 1.0dB



Typical Response Curve



Mechanical Dimensions



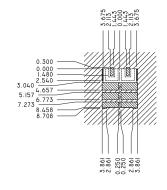
NOTE: RESONATOR HOLES NOT SHOWN.
ALL DIMENSIONS IN MM.

Part Marking

Y = LAST DIGIT OF YEAR WW = SEQUENTIAL WEEK NUMBER

> 6193 YWW

PC Board Layout



FILTER OUTLINE

EXPOSED CONDUCTOR

NOTES:

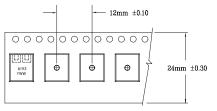
1. No conductor beneath I/O gap.

SOLDER RESIST OVER DIELECTRIC 2. I/O PADS 0.3 MM SMALLER THAN FILTER PADS.

SOLDER RESIST OVER CONDUCTOR 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 REELED TAPES. 1000 PIECES PER REEL . 4.17 LBS PER REEL.

Contact Information:

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

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