Ceramic Monoblock Bandpass Filter
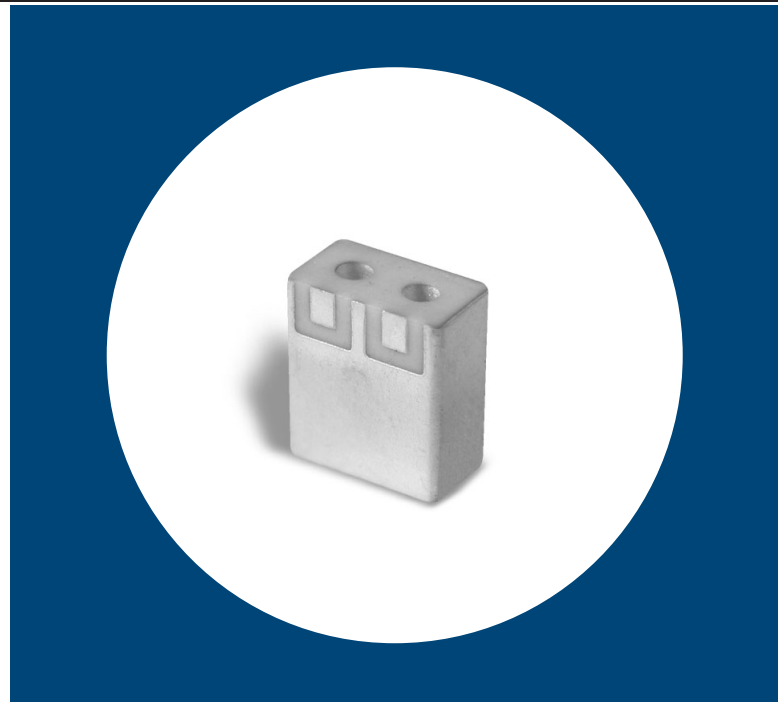
CTS WIRELESS COMPONENTS

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.
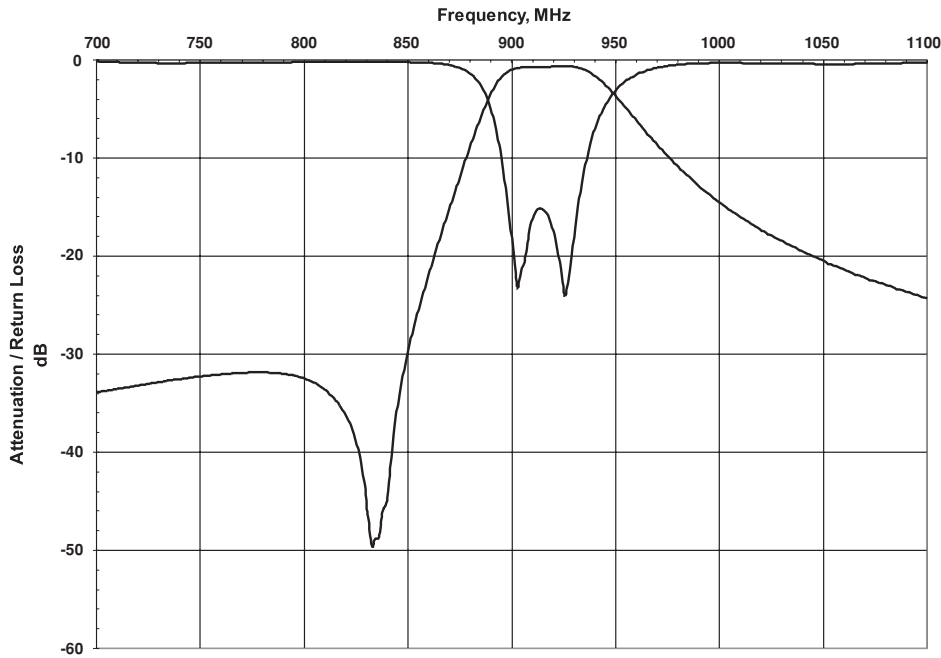
Electrical Specifications

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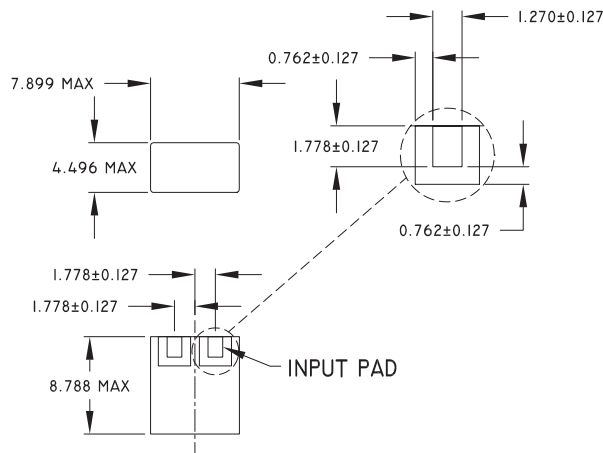
Specification	**Typical Allowance**
Insertion Loss	0.1dB
Return Loss	1.0dB
Stopbands	1.0dB

Rev. 1

Typical Response Curve

Frequency, MHz

Attenuation / Return Loss dB

Mechanical Dimensions

7.899 MAX
4.496 MAX
0.762±0.127
1.270±0.127
1.778±0.127
0.762±0.127
1.778±0.127
1.778±0.127
8.788 MAX
INPUT PAD

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

PC Board Layout

3.675
2.113
1.443
0.000
1.443
2.113
3.675

0.300
0.000
1.480
2.540
3.040
4.657
5.157
6.773
7.273
8.458
8.708

3.861
2.861
0.250
0.250
2.861
3.861

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

6193
YWW

Packaging

12mm ±0.10
24mm ±0.30
6193
YWW
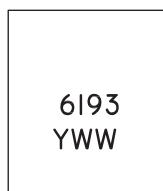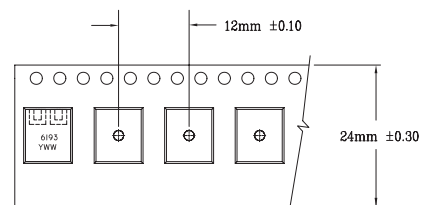
THIS PRODUCT IS SHIPPED IN REELED TAPES.
1000 PIECES PER REEL .
4.17 LBS PER REEL.

Contact Information:

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