

# Ceramic Monoblock Bandpass Filter

**CTS**

WIRELESS COMPONENTS

# Model CER0021A Technical Data

## Features:

- Small Size
- High Performance
- SMD

## Description and Applications:

This monoblock filter is primarily designed for US PCS TX basestation applications at 1960 MHz.



## Electrical Specifications

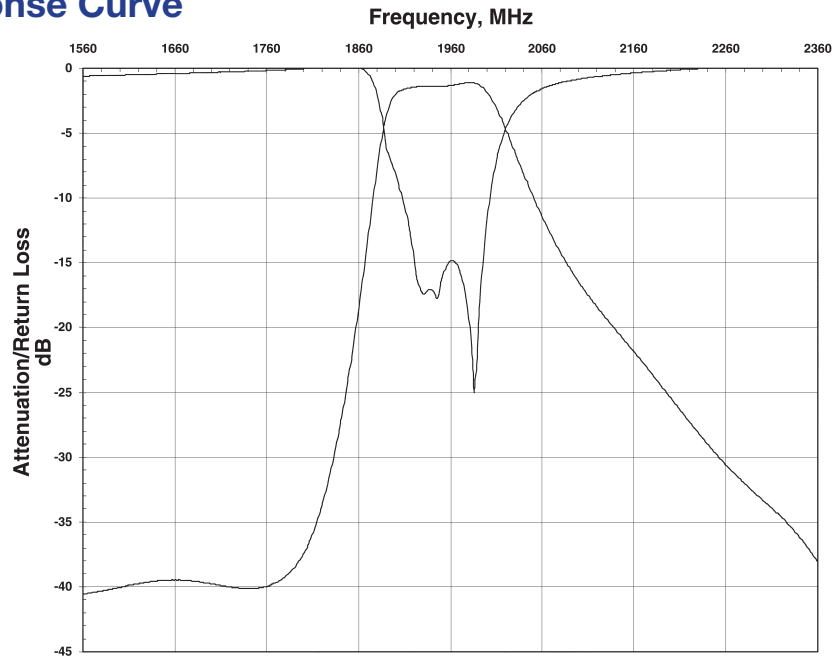
Parameters	Frequency	Specifications @ 25° C
Insertion Loss	1930 MHz to 1990 MHz	1.9 dB max.
Forward Return Loss		10.5 dB min.
Attenuation	1742 MHz	15.5 dB min.
Attenuation	2274 MHz	26.5 dB min.
Power Rating		1 W
Impedance		50 Ω

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:

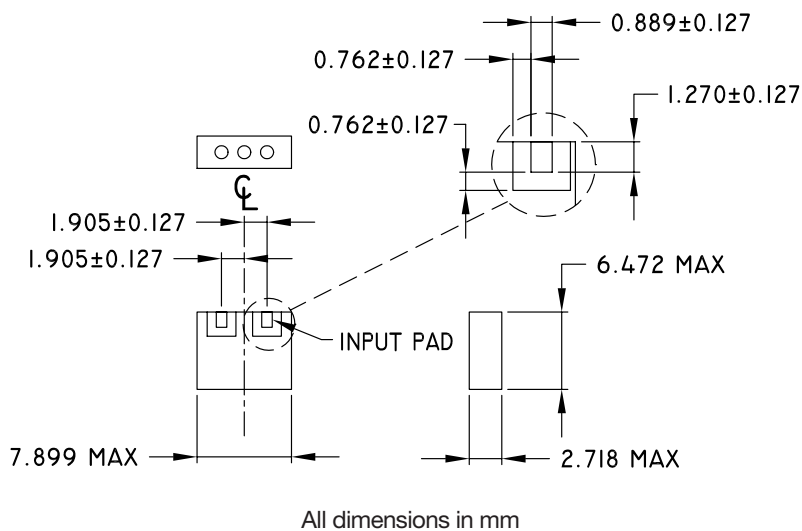
Specification	Typical Allowance
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Rev. 1

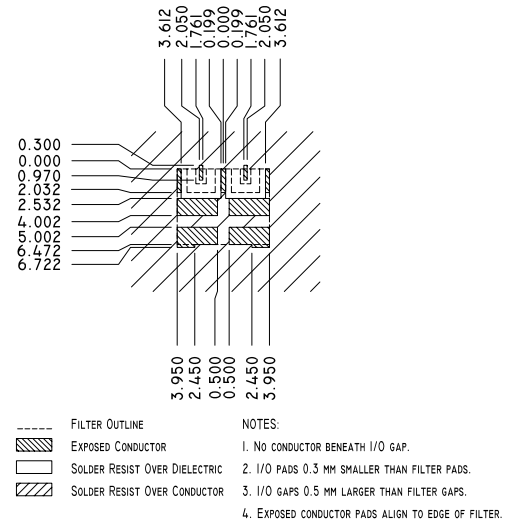
## Typical Response Curve



## Mechanical Dimensions

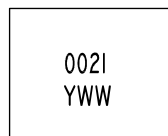


## PC Board Layout



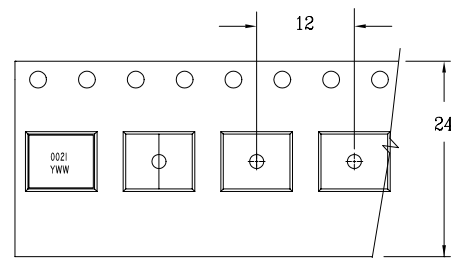
## Part Marking

Y = LAST DIGIT OF YEAR  
WW = SEQUENTIAL WEEK NUMBER



## Packaging

Reel Quantity: 1000 pcs. max.  
Reel Weight: 2.1 lbs. max.



## Contact Information:

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

Document Control #6287088Y01 Rev 1

Date of Origin 04/17/01

Date of Revision 04/17/01

THIS DATA SHEET IS NOT AN OFFER FOR SALE AND SHALL NOT OBLIGATE CTS TO SELL THE PRODUCTS DESCRIBED HEREIN OR ANY OTHER PRODUCTS. CTS MAY, IN ITS SOLE DISCRETION, MODIFY OR DISCONTINUE THE SALE OF ITS PRODUCTS AT ANY TIME WITHOUT NOTICE. CTS MAKES NO WARRANTY, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCTS REFERENCED OR INFORMATION PROVIDED HEREIN.

CTS® is a registered trademark of CTS Corporation.