

Features

- Low Ripple
- High Rejection
- Low Loss

Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in PCS repeater and base station applications, CTS Monoblock LR Series Filters are designed to minimize ripple and maximize rejection.

Weight: 4.7 grams typical

Material: Filter is composed of a ceramic block coated with Ag and a shield made of nickel silver plated steel.

Filter complies with RoHS standards.



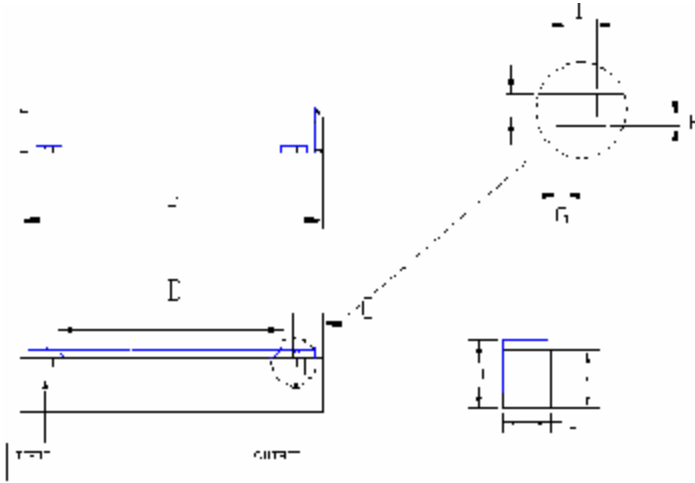
Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. over -0°C to +45°C
Passband Insertion Loss	1850 - 1910	3.5 dB	3.8 dB max
Passband Return Loss @ input	1850 - 1910	13.0 dB	10.0 dB min
Passband Ripple	1850 - 1910	1.8 dB	2.1 dB max
Attenuation:	1930 - 1990	33.0 dB	30.0 dB min
	1920	20.0 dB	18.0 dB min
Power into any port		1 Watt max	

Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

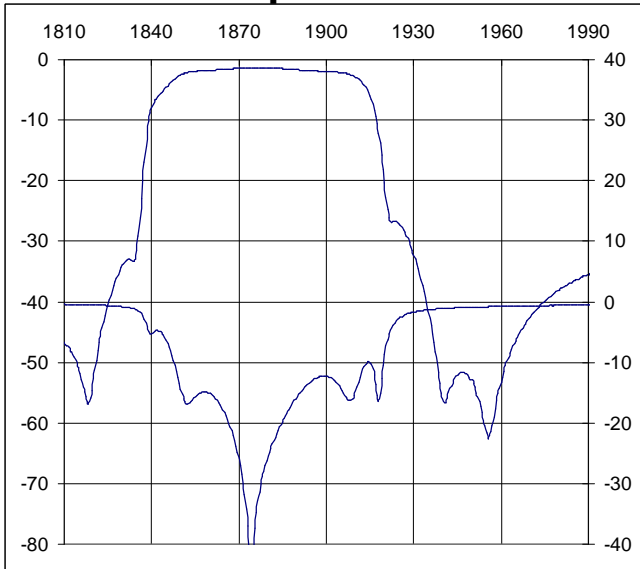
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Mechanical Drawing

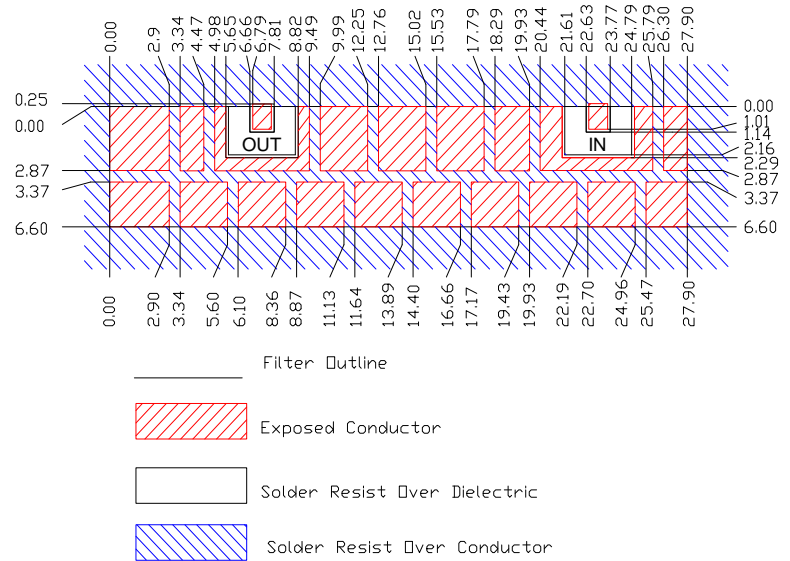


Dim	Nominal (mm)	Tolerance (mm) +/- or max
B	27.9	max
C	7.23	0.25
D	15.97	0.13
F	1.14	0.13
G	1.02	0.13
H	1.02	0.13
I	1.14	0.13
J	7.7	max
K	6.6	max
L	6.2	max

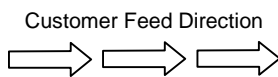
Electrical response



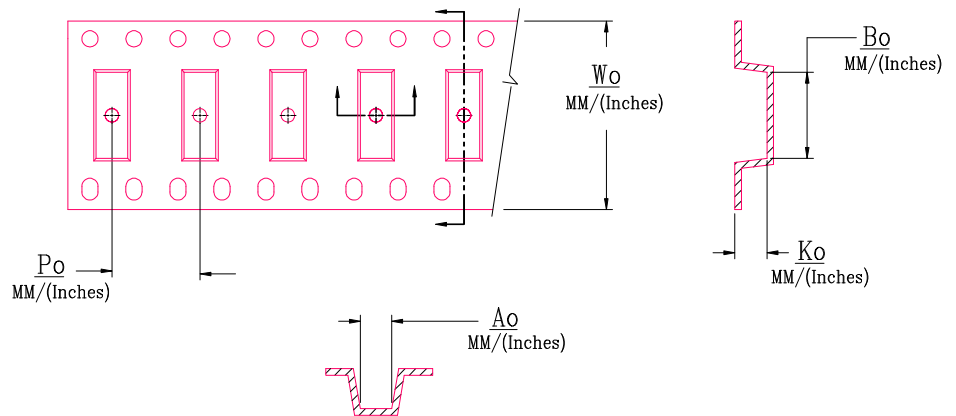
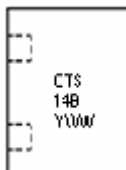
PCB Layout



Packaging and Marking



DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	3.1
REEL QUANTITY	ea.	500



MODEL NO.	Wo	Ao	Bo	Ko	Po
CER0214B	44.0/(1.732)	7.90/(0.311)	28.20/(1.110)	6.00/(0.236)	12.0/(0.472)