

Features

- Low Loss
- High Rejection
- Low Ripple

Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in 800 MHz Infrastructure Applications.

Weight: 1.27 grams typical

Material: Filter is composed of a ceramic block plated with Ag.

Filter complies with RoHS standards.



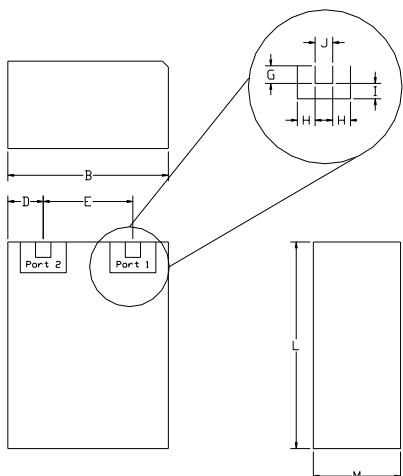
Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. over 0°C to +70°C
Electrical Response			
Passband Insertion Loss	824 - 849	2.1dB	2.5 dB max
Passband Return Loss @ Port 1	824 - 849	12.0 dB	10.0 dB min
Passband Return Loss @ Port 2	824 - 849	12.0 dB	10.0 dB min
Passband Ripple	824 - 849	0.7 dB	1.5 dB max
Attenuation:	686.5	38.0 dB	35.0 dB min
	804	34.0 dB	12.0 dB min
	869	18.0 dB	12.0 dB min

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:

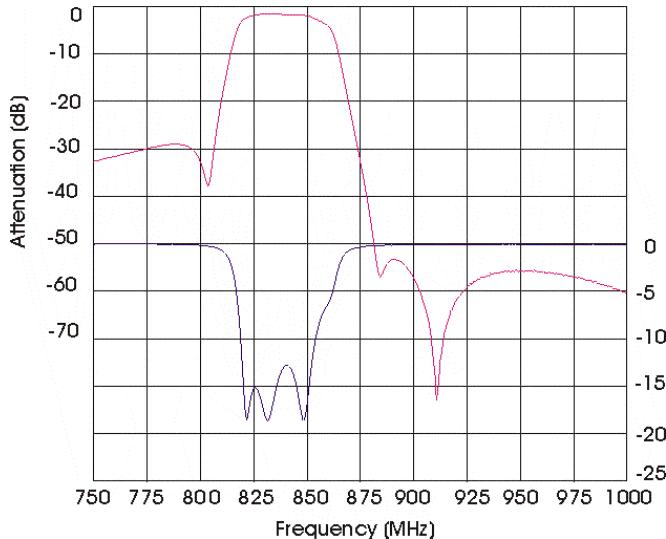
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Mechanical Drawing

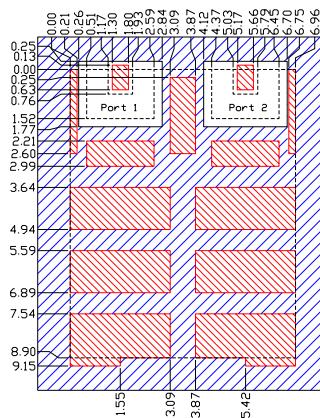


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	7.05	max
C		
D	1.55	0.25
E	3.86	0.13
F		
G	0.76	0.13
H	0.66	0.13
I	0.76	0.13
J	0.76	0.13
K		
L	9.1	max
M	3.93	max

Electrical response



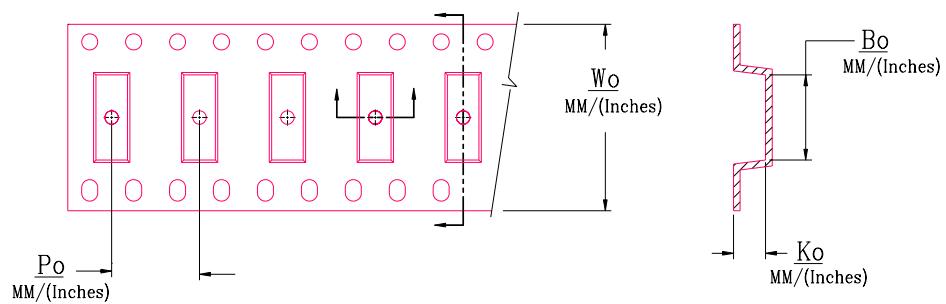
PCB Layout

Dimensions are in mm. Tolerance = ± 0.13

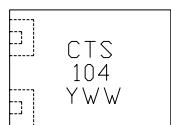
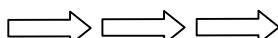
----- Filter Outline
 Exposed Conductor
 Solder Resist Over Conductor
 Solder Resist Over Dielectric

Packaging and Marking

REEL DIAMETER	mm	330
REEL WEIGHT	kg	0.346
REEL QUANTITY	ea.	500



Customer Feed Direction



MODEL NO.	W ₀	A ₀	B ₀	K ₀	P ₀
CER0104	0.945/24.0	0.366/9.30	0.291/7.40	0.176/4.47	0.630/16.0