



CER1034A - Preliminary

6400-7200MHz Bandpass Filter

Features

- Low Loss with High Rejection and Low Ripple

Applications

- Wireless Infrastructure applications

Description

Surface mount ceramic bandpass filter. Provides superior rejection, insertion loss, reliability, as well as both peak and average power handling compared to other bandpass filter technologies.



Part Dimensions: 6.8 × 3.2 × 2.6 mm • 0.2 g
Materials: Ag plated ceramic block with shield

Electrical Specifications

Parameter	Frequency (MHz)	Typical at 25°C	Spec. at 25°C	Spec. over -40°C to +85°C
Nominal Impedance	-	50 ohms	-	-
Average Input Power	-	-	-	1.0 Watt max
Peak Input Power	-	-	-	10 Watt max

Input-Output Response

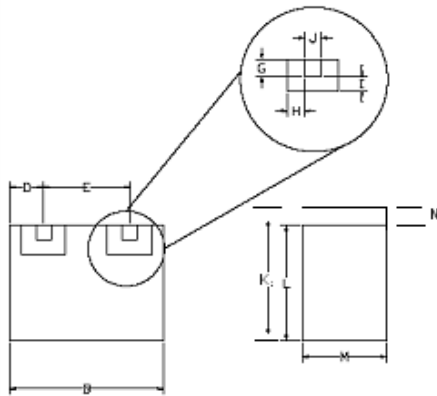
Passband Insertion Loss (20 MHz avg)	6375-7200	0.8 dB	<1.4 dB max	<1.5 dB max
Passband Ripple	6375-7200	0.4 dB	<0.9 dB max	<1.0 dB max
Passband Return Loss	6375-7200	15 dB	>11 dB min	>11 dB min
Attenuation:	4900-5300	28 dB	>20 dB min	>20 dB min

Note: CTS tests each unit to the critical specifications above. Subsequent audits may deviate due to repeatability among different test systems which shall not exceed these allowances.

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

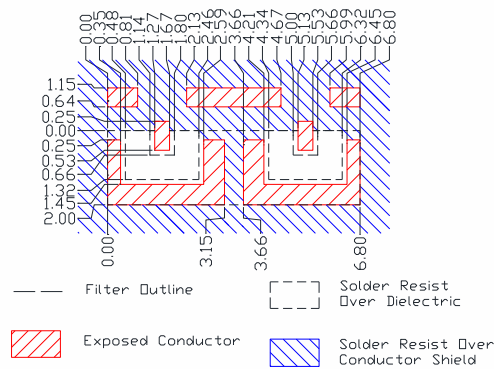


Mechanical Drawing



Dim.	Nominal (mm)	Tolerance (±mm or Max)
A		
B	6.80	max
C		
D	1.47	0.20
E	3.86	0.13
F		
G	0.66	0.13
H	0.66	0.13
I	0.66	0.13
J	0.66	0.13
K	3.00	0.20
L	2.00	0.20
M	2.60	max
N	0.76	0.13

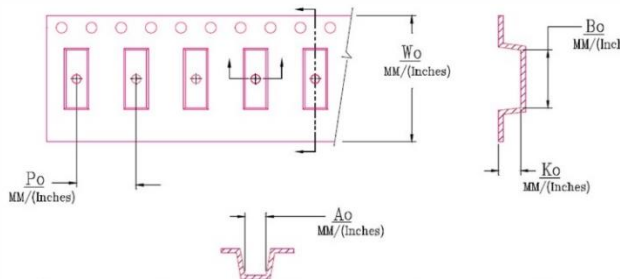
PCB Layout



Packaging and Marking

Dimension	Units	Spec.	Product Marking
Reel Diameter	mm	330	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> CTS 034 YWW </div>
Reel Weight	kg		
Reel Quantity	ea.		

Customer Feed Direction → → →



W_0	A_0	B_0	K_0	P_0
0.630 in 16.0 mm	0.130 in 3.3 mm	0.280 in 7.1 mm	0.102 in 2.6 mm	0.315 in 8.0 mm

Electrical Response

