



CER0370D - PRELIMINARY

4.895-5.200 GHz Bandpass Filter

Features

- Low Loss
- Low ripple

Applications

- Wireless Infrastructure applications

Description

Surface mount ceramic bandpass filter with low loss and ripple.



Part Dimensions: 6.8 × 4.2_{est} × 2.6 mm • 0.6 g
Materials: Ag plated ceramic block with tin plated brass 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	4895-5200	1.4 dB max	1.8 dB max target 1.5dB
Passband Ripple	4895-5200	0.6 dB max	0.8 dB max
Passband Return Loss	4895-5200	10 dB min	10 dB min
Attenuation:	1-1990	50 dB min	50 dB min
	2400-2483	45 dB min	45 dB min
	3200-3500	30 dB min	30 dB min
	6650-6850	15 dB min	15 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.

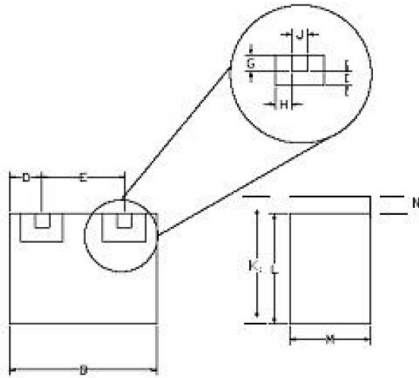
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Attenuation	1.0 dB



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Mechanical Drawing

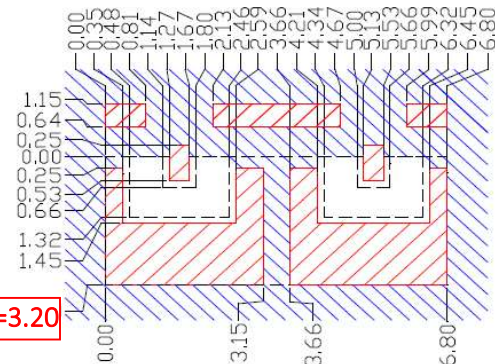


Electrical Response

Will provide plot after prototype run.

Dim.	Nominal (mm)	Tolerance (±mm or Max)
A		
B	6.80	max
C		
D	1.35	0.25
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	4.20 est	max
L	3.20 est	max
M	2.60	max
N	0.76	0.13

PCB Layout

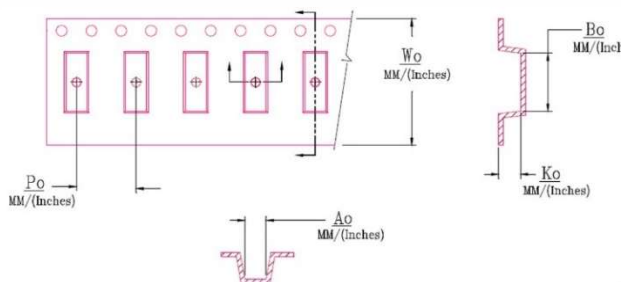


- Filter Outline
- Exposed Conductor
- Solder Resist Over Dielectric
- Solder Resist Over Conductor Shield

Packaging and Marking

Dimension	Units	Spec.	Product Marking
Reel Diameter	mm	330	CTS
Reel Weight	kg	1.5	70D
Reel Quantity	ea.	1000	YWW

Customer Feed Direction → → →



W_0	A_0	B_0	K_0	P_0
0.630 in 16.0 mm	0.161 in 4.1 mm	0.280 in 7.1 mm	0.102 in 2.6 mm	0.315 in 8.0 mm