



CER1032A - Preliminary

3560-3600Hz Bandpass Filter

Features

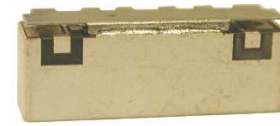
- Low Loss with High Rejection and Low Ripple

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: 15.5 × 6.5 × 4.3 mm • TBD 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)	3560-3600	1.2 dB	1.3-1.4 dB max	1.5-1.6 dB max
Passband Ripple	3560-3600			1.0 dB max
Passband Return Loss	3560-3600	15 dB	12 dB min	12 dB min
Attenuation:	3400-3440	47 dB	45 dB min	45 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.

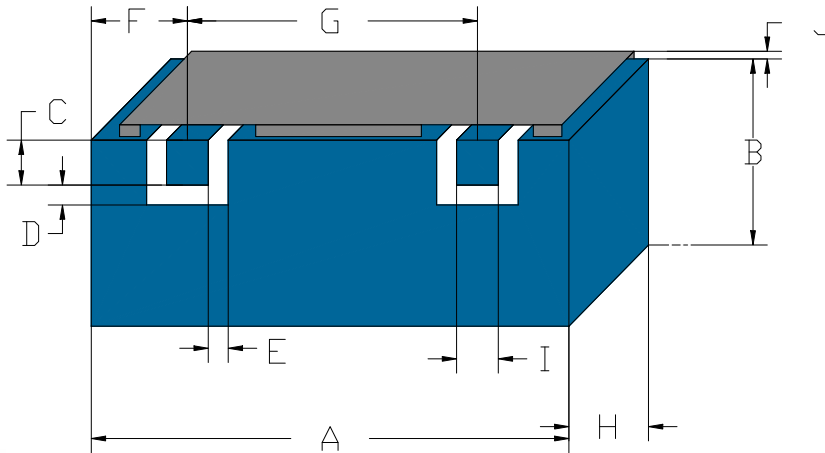
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Attenuation	1.0 dB



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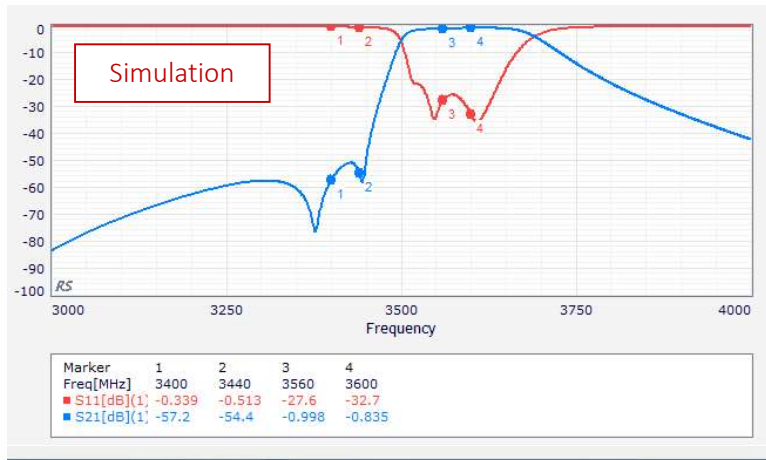
3560-3600Hz Bandpass Filter

Mechanical Drawing

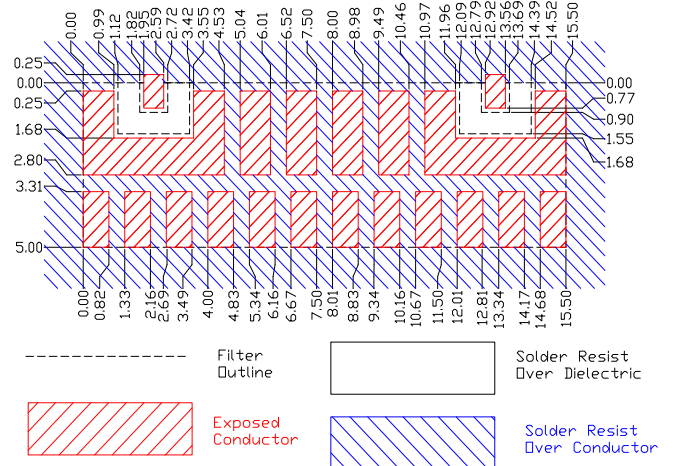


Dim.	Nominal (mm)	Tolerance (±mm or Max)
A	15.50	max
B	5.10	max
C	0.90	0.13
D	0.70	0.13
E	0.70	0.13
F	2.27	0.13
G	10.97	0.13
H	4.30	max
I	0.90	0.13
J	1.20	0.20

Electrical Response



PCB Layout

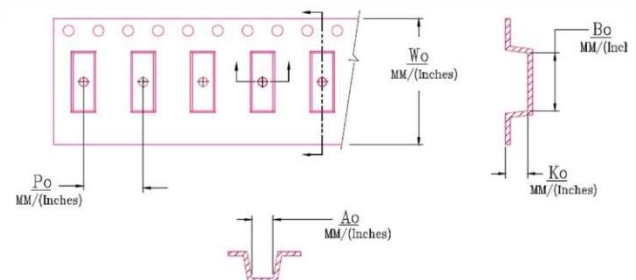
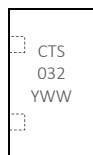


Packaging and Marking

Dimension	Units	Spec.
Reel Diameter	mm	330
Reel Weight	kg	3.1
Reel Quantity	ea.	500

Customer Feed Direction → → →

Product Marking



W ₀	A ₀	B ₀	K ₀	P ₀
1.260 in 32.0 mm	0.256 in 6.50 mm	0.622 in 15.8 mm	0.177 in 4.45 mm	0.472 in 12.0 mm