

UPB335A - PRELIMINARY

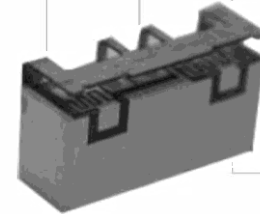
3.3-3.4 GHz UPB Series Bandpass Filter

Features

- Companion to UPB360A
- Low Loss and low ripple with High Rejection
- Universal footprint across family for all TDD bands

Applications

- Wireless Infrastructure applications



Part Dimensions: 9.0 × 6.7 est × 3.1 mm • 1.0 est g
Materials: Ag plated ceramic block with tin plated brass shield

Description

Surface mount ceramic bandpass filter supports a universal footprint across all TDD frequency bands enabling the use of a common system PCB. Superior rejection, insertion loss, reliability, as well as both peak and average power handling compared other bandpass filter technologies.

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	-	-	-	2.0 Watt max
Peak Input Power	-	-	-	20 Watt max
Input-Output Response				
Passband Insertion Loss (Single point)	3300-3400	1.4 dB	1.6 dB max	1.8 dB max
Passband Ripple	3300-3400	0.7 dB	1.0 dB	1.2 dB max
Passband Return Loss	3300-3400	15 dB	14 dB	14 dB min
Attenuation:	2400-2500	42 dB	35 dB	35 dB min
	3470-3800	32 dB	30 dB	30 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.

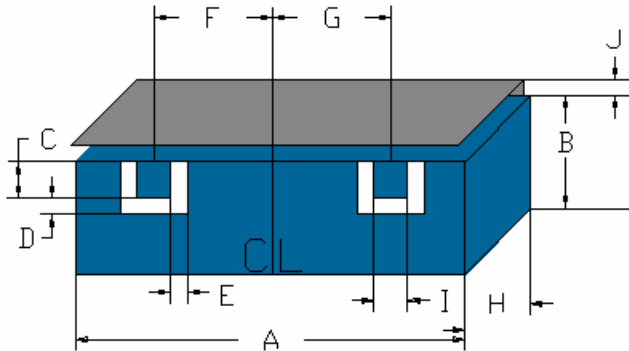
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Attenuation	1.0 dB



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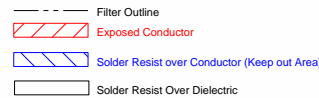
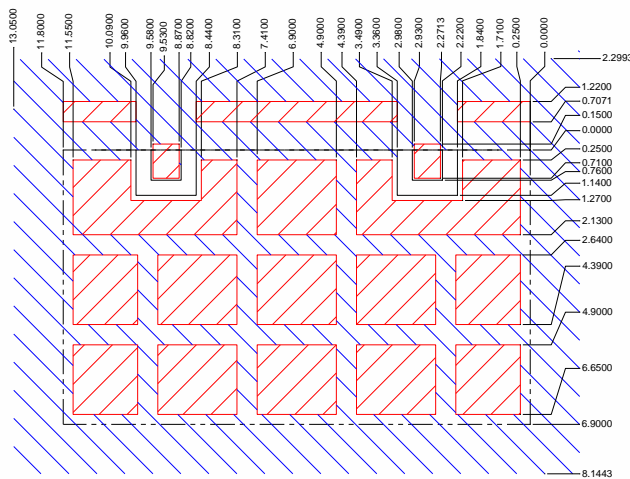
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Mechanical Drawing



Dim.	Nominal (mm)	Tolerance (±mm or Max)
A	8.97	max
B	5.70 est	max
C	0.76	0.13
D	0.38	0.13
E	0.38	0.13
F	3.30	0.13
G	3.30	0.13
H	3.10	max
I	0.76	0.13
J	1.00	max

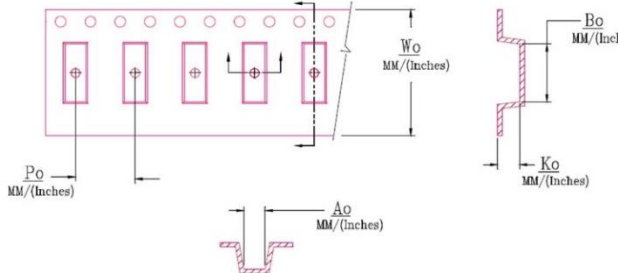
PCB Layout



Packaging and Marking

Dimension	Units	Spec.	Product Marking
Reel Diameter	mm	330	CTS
Reel Weight	kg	5.5	335
Reel Quantity	ea.	500	YWW

Customer Feed Direction → → →



W ₀	A ₀	B ₀	K ₀	P ₀
0.945 in	0.276 in	0.366 in	0.132 in	0.315 in
24.0 mm	7.00 mm	9.30 mm	3.35 mm	8.0 mm

Electrical Response

