

ULB048A - PRELIMINARY

Band 48 ULB Series Bandpass Filter

Description

Ceramic bandpass filter with integrated shield for wireless infrastructure applications.



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	-	-	-	32 W max
Peak Input Power	-	-	-	200W max

Input-Output Response

Passband Insertion Loss (10 MHz avg)	3550 - 3700	1.5 dB	1.6 dB min EST	1.7-1.8 dB min EST
Passband Return Loss	3550 - 3700		14 dB min	14 dB min
Attenuation:	1 - 2700			60 dB min
	2701 - 3300			50 dB min
	3301 - 3449			35 dB min
	3450 - 3530	22 dB	21 dB min EST	17 dB min EST
	3720 - 3980	22 dB	21 dB min EST	17 dB min EST
	3981 - 5149			50 dB min
	5150 - 5950			40 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.

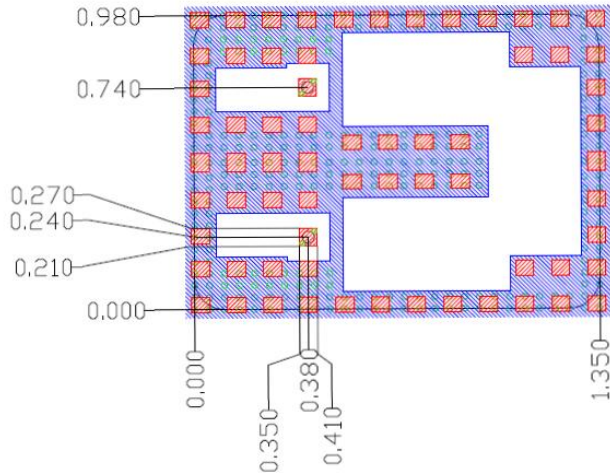
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Attenuation	1.0 dB

Mechanical Drawing

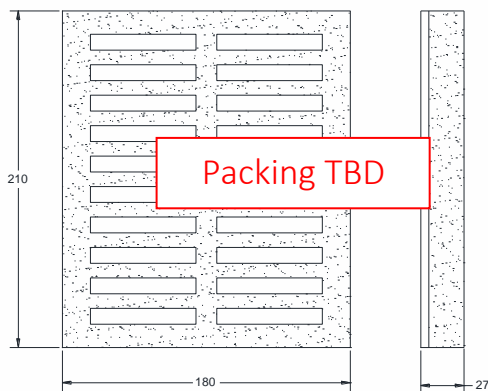
EST. Size: 35.0 mm (L) x 25.0 mm (W) x 7.00 mm (H)

EST. Weight: <= 10 grams

PCB Layout



Packaging and Marking



The trays have ? slots each with one filter per slot. Boxes are packed with ?_ Trays per box for a total of ?_ filters per box.

Electrical Response

