





CER1138A 1160-1240MHz Bandpass Filter

Features

- Low and tightly-controlled GDV
- Low loss which providing consistent rejection

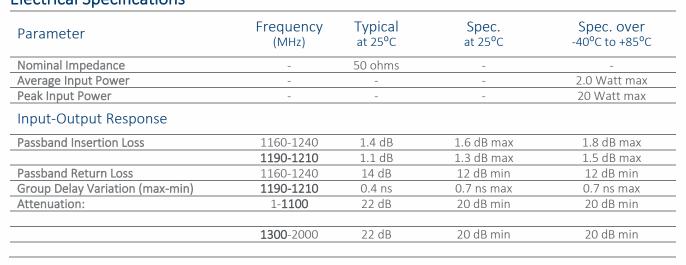
Applications

Specialty applications

Description

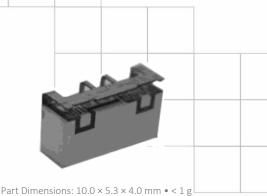
Surface mount ceramic bandpass filter with superior product uniformity, group delay, rejection, insertion loss, reliability, as well as both peak and average power handling compared other bandpass filter technologies.

Electrical Specifications



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



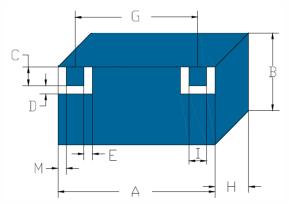
Materials: Ag plated ceramic block



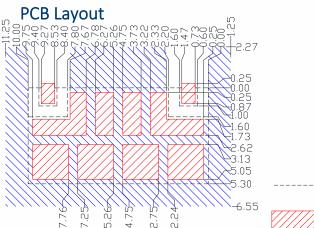




Mechanical Drawing



Dim.	Nominal (mm)	Tolerance (±mm or Max)	
Α	10.00	max	
В	5.30	max	
С	1.00	0.13	
D	0.60	0.13	
Е	0.60	0.13	
G	7.80	0.13	
Н	4.00	max	
- 1	1.00	0.13	
М	0.55	0.20	



IMPORTANT: Please assure >=20mils (0.5mm) thickness of dielectric beneath the I/O Pads <u>and</u> the surrounding clearance zone down to the required ground plane.

Please assure sufficient ground vias between the top metal ground plane and the primary ground plane.

Recommended solder: 4-6 mils of SAC305 with reflow including 120s of soak at 217°C, and up to 30 sec peak at 241°C.



Packaging and Marking

Dimensi	on Uni	ts Spec.	Produ	ct Marking		
Reel Diame	eter mn	າ 330	_	CTS		
Reel Weig	ght kg	1.6		138		
Reel Quan	tity ea.	. 1000	L	YYWW		
Customer Feed Direction $ ightarrow ightarrow ightarrow ightarrow$						
Po MM/(Inches) Mo MM/(Inches) Mo MM/(Inches) Mo MM/(Inches)						
Wo	Ao	Во	Ko	Po		
0.945 in	0.217 in	0.406 in	0.169 ir	0.472 in		
24.0 mm	5.50 mm	10.30 mm	1 4.30 mm	n 12.0 mm		

Electrical Response -10 30 -20 25 -30 20 -40 15 -50 10 -60 1000 1050 1100 1150 1200 1250 1300 1400 Frequency [MHz] Marker Freq[MHz] 1100 1240 1300 1160 1190 1200 1210 -16.9-14.3-16 ■ S21[dB](1) -28.9 -1.18 -0.946 -1 -0.977 -1.12 -23.6 ■ S21[ns](2) 2.27