

MTB1060A

10.2-11.0 GHz Bandpass Filter

Features

- Low Loss with High Rejection
- Low ripple

Applications

- Wireless Infrastructure applications



Part Dimensions: 9.0 × 2.5 × 3.1 mm • 0.15 g
Materials: Ag plated ceramic block with tin plated brass shield

Description

Surface mount ceramic bandpass filter. Superior rejection, insertion loss, reliability, as well as both peak and average power handling compared other bandpass filter technologies.

Electrical Specifications

Parameter	Frequency (GHz)	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)	10.20 - 11.00	1.7 dB	2.2 dB min	2.5 dB min
Passband Ripple (any 10MHz)	10.20 - 11.00	0.2 dB	0.3 dB min	0.3 dB min
Passband Return Loss	10.20 - 11.00	14 dB	11 dB min	11 dB min
Phase Variation: (from nominal value)	10200	-82.7°	+/- 10°	+/- 10°
	10600	153.1°	+/- 10°	+/- 10°
	11000	26.1°	+/- 10°	+/- 10°
Attenuation:	1 - 4000		50 dB min	50 dB min
	6000		50 dB min	50 dB min
	8000		40 dB min	40 dB min
	9000		30 dB min	30 dB min
	9350		30 dB min	30 dB min
	9600		15 dB min	15 dB min
	11850		15 dB min	15 dB min
	12100		20 dB min	20 dB min
	12500		30 dB min	30 dB min
	13000		40 dB min	40 dB min
	17000		20 dB min	20 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

