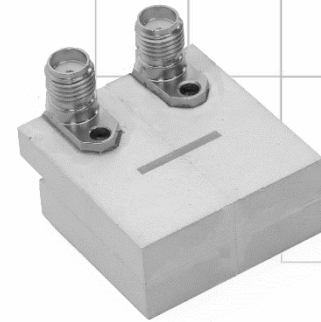


# CMB038B - PRELIMINARY

## 2575-2615 MHz Bandpass Filter

### Features

- Low loss with high rejection and low ripple
- Superior power handling and reliability
- Part of the CMB family of Metro-cell TDD Bandpass Filters
- Choice for either PCB mounting with pins, or with various connectors (SMA, SMP-Max, etc.) and mounting brackets



Estimated

Part Dimensions: 65 × 38 × 20 mm • 132g

Materials: Ag plated ceramic block

### Applications

- Wireless Infrastructure applications
- High-performance carrier-grade TDD basestations up to 20W at the antenna port
- Wide-band DAS, Repeaters, or small-cells including support for WiFi co-location

### Description

Ceramic waveguide bandpass filter based on ClearPlex technology supports TDD frequency bands. Provides superior rejection, insertion loss, reliability, as well as both peak and average power handling compared to other ceramic technologies. Performance is comparable to compact Air Cavity in dramatically smaller size.

### 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 Watt max
Peak Input Power	-	-	-	320 Watt max

### Input-Output Response

Passband Insertion Loss (5 MHz avg)	2575 - 2615			2.5 dB max
Passband Insertion Loss (single-point)	2575 - 2615			3.0 dB max
Passband Ripple (over 5MHz)	2575 - 2615			1.3 dB max
Group Delay Variation (min-max)	2575 - 2615			20 ns max
Passband Return Loss	2575 - 2615			16 dB min
Attenuation:	1 - 2500			72 dB min
	2500 - 2570			35 dB min
	2620 - 2690			35 dB min
	2690 - 4200			72 dB min

NOTE: Use with RLF0270A lowpass filter to assure high-frequency suppression over 4.2-12.75GHz

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.

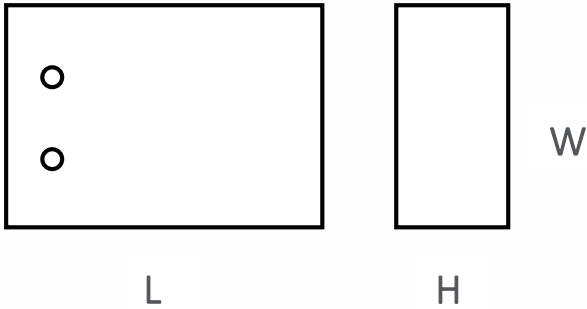
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Attenuation	1.0 dB



### Mechanical Drawing

Size: 65 mm (L) x 38 mm (W) x 20 mm (H)

Weight: 132 gm



### Packaging and Marking

### Electrical Response

