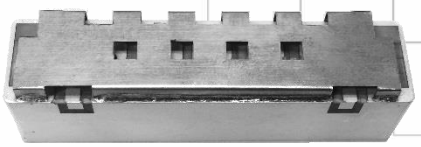
MMB260C - PRELIMINARY

2575-2635 MHz MMB Series TDD Bandpass Filter

Features

- Subset of Band 41 for China Mobile
- Low Loss with High Rejection and Low Ripple



ESTIMATE
Part Dimensions: 40.0 × 10.0 × 13.0 mm • 15 g
Materials: Ag plated ceramic block with tin plated brass shield

Applications

- Massive MIMO Wireless Infrastructure applications
- High-performance carrier-grade TDD base stations for up to 5.0W at the antenna port.

Description

Surface mount ceramic bandpass filter supports a common footprint across all variety of TDD frequency bands. Provides superior rejection, insertion loss, reliability, as well as both peak and average power handling compared to other bandpass filter technologies.

Electrical Specifications

Parameter	Frequency (MHz)	Typical at 25°C	Spec. at 25°C	Spec. over -40°C to +95°C
Nominal Impedance	-	50 ohms	-	-
Average Input Power	-	-	-	6.0 Watt max
Peak Input Power	-	-	-	60 Watt max
Input-Output Response				
Passband Insertion Loss (5 MHz avg)	2575 - 2635		1.2 dB max	1.3 dB max
Passband Ripple	2575 - 2635			0.5 dB max
Passband Return Loss	2575 - 2635			16 dB min
Group Delay Variation	2575 - 2635			<20 ns
Attenuation:	1 - 699			60 dB min
	699 - 803			75 dB min
	803 - 1990			60 dB min
	1990 - 2167			60 dB min
	2167 - 2455			65 dB min
	2455 – 2483			68 dB min
	2484 - 2500			52 dB min
	2500 - 2555			1 dB min
	2690 – 2695			12 dB min
	2695 - 2700			20 dB min
	2700 - 2900			52 dB min
	2900 - 3264			50 dB min
	3264 - 3500			45 dB min
	3500 - 3800			40 dB min
	3800 - 4000			35 dB min
	4000 - 4200			30 dB min
	4200 - 4600			25 dB min
	4600 - 5270			15 dB min
	10300-12750			2 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 0.1 dB insertion loss and 1.0 dB Return Loss/Attenuation.

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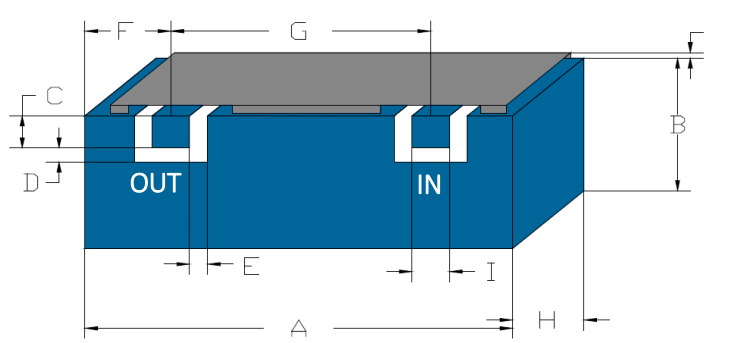
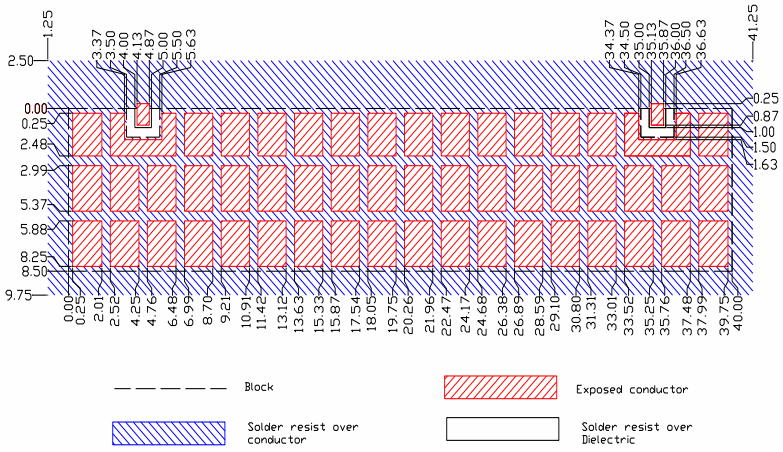
Mechanical Drawing



Dim.	Nominal (mm)	Tolerance (±mm or Max)
A	40.00	max
B	8.5	max
C	1.0	0.13
D	0.5	0.13
E	0.5	0.13
F	4.5	0.25
G	31.0	0.13
H	13.0	max
I	1.0	0.13
J	1.50	max

PCB Layout



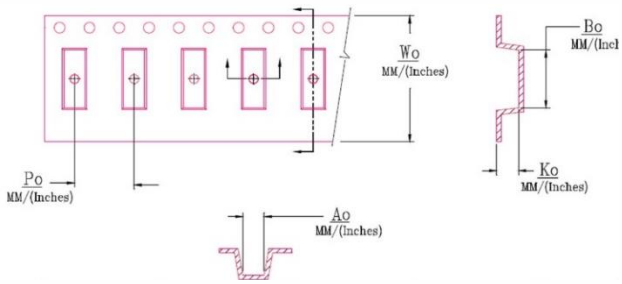
Packaging and Marking

Dimension	Units	Spec.
Reel Diameter	mm	330
Reel Weight	kg	
Reel Quantity	ea.	

Product Marking

CTS
60C
YWW

Customer Feed Direction → → →



W_o	A_o	B_o	K_o	P_o
x.xxx in xx.x mm	x.xxx in xx.x mm	x.xxx in xx.x mm	x.xxx in xx.x mm	x.xxx in xx.x mm

Electrical Response