



Apex Microwave Co. LTD

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# Cavity Combiner A6CC758M2690MDL552

## Revision record

Date	Version	Author	Revision description	Comment
2024/09/13	V1.1	Lee	Created	/

## Electrical specification

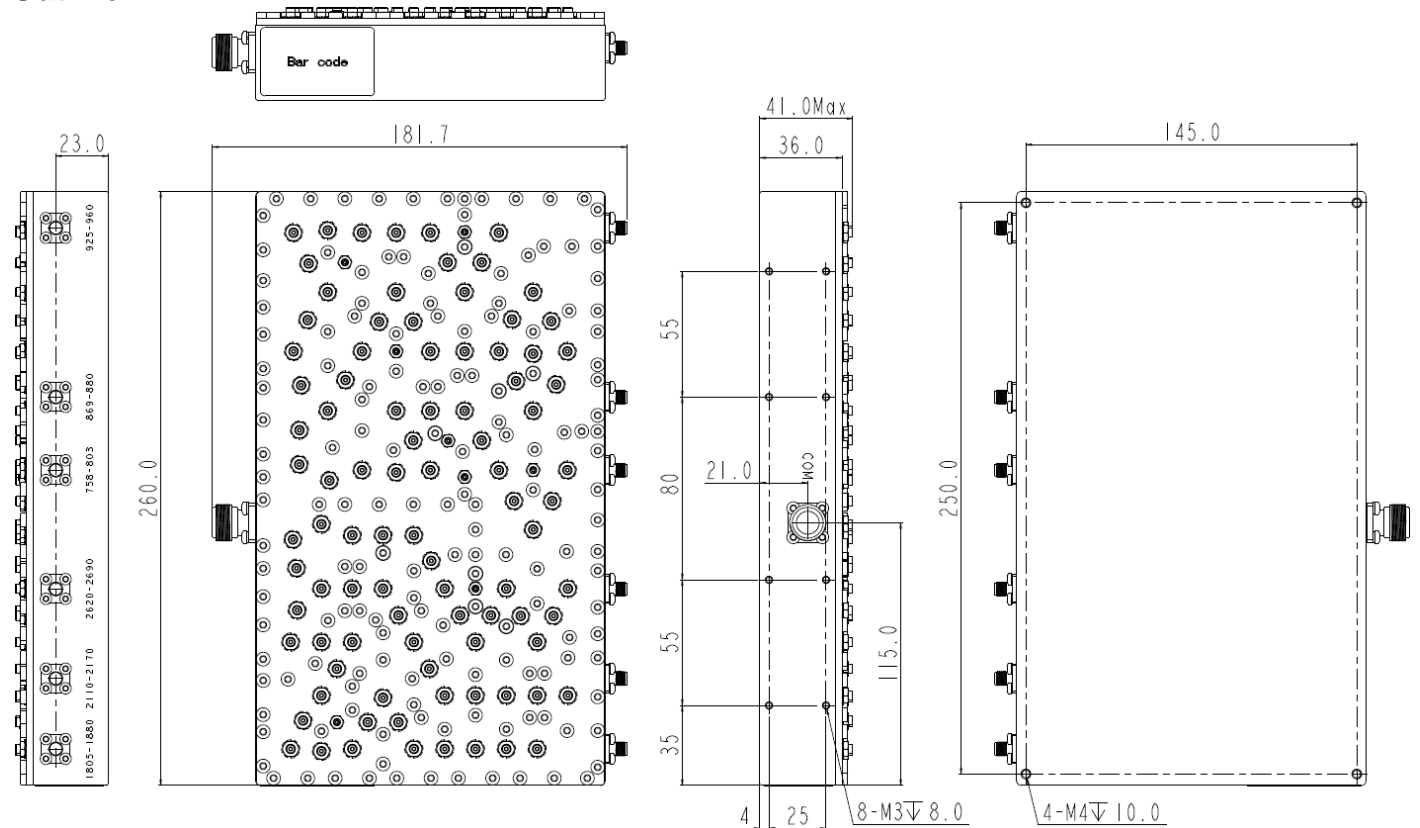
Parameter	Specifications					
	758-803MHz	869-880MHz	925-960MHz	1805-1880MHz	2110-2170MHz	2620-2690MHz
Frequency range	758-803MHz	869-880MHz	925-960MHz	1805-1880MHz	2110-2170MHz	2620-2690MHz
Center frequency	780.5MHz	874.5MHz	942.5MHz	1842.5MHz	2140MHz	2655MHz
Return loss	≥18dB	≥18dB	≥18dB	≥18dB	≥18dB	≥18dB
Center frequency insertion loss(Normal temp)	≤0.6dB	≤1.0dB	≤0.6dB	≤0.6dB	≤0.6dB	≤0.6dB
Center frequency insertion loss(Full temp)	≤0.65dB	≤1.0dB	≤0.65dB	≤0.65dB	≤0.65dB	≤0.65dB
Insertion loss in bands	≤1.5dB	≤1.7dB	≤1.5dB	≤1.5dB	≤1.5dB	≤1.5dB
Ripple in bands	≤1.0dB	≤1.0dB	≤1.0dB	≤1.0dB	≤1.0dB	≤1.0dB
Rejection at all stop bands	≥50dB	≥55dB	≥50dB	≥50dB	≥50dB	≥50dB
Stop band ranges	703-748MHz & 824-849MHz & 886-915MHz & 1710-1785MHz & 1920-1980MHz & 2500-2570MHz & 2300-2400MHz & 3550-3700MHz					
Input power	≤80W Average handling power at every input port					

Output power	≤300W Average handling power at COM port
Impedance	50 Ω
Temperature range	-40°C to +85°C

### Mechanical specification

Parameter	Specifications
Dimension	LxWxH: 260mm x 181.7mm x 36mm (41.0mm Max)
Input connectors	SMA-Female
COM conector	N-Female
Thread size & Hole callout info	Front: 8-M3 deep 8.0mm Bottom: 4-M4 deep 10.0mm
Weight	≤1.8kg
Finish	Black (Paint spraying)
Notes	Material shall be RoHS 6/6

### Outline



Simulation curve

