



Apex Microwave Co. LTD

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Add: Yuehu Technology Center, Wuhou District, Chengdu, Sichuan, China

Cavity Combiner A5CC729M2360M60NS

Revision record

Date	Version	Author	Revision description	Comment
2024/09/11	V1.5	Ramsay	Created	/

Electrical specification

Parameter	729-768	857-894	1930-2025	2110-2180	2350-2360
Frequency range	729-768MHz	857-894MHz	1930-2025MHz	2110-2180MHz	2350-2360MHz
Center frequency	748.5 MHz	875.5 MHz	1977.5 MHz	2145 MHz	2355 MHz
Return loss(Normal temp)	≥18dB	≥18dB	≥18dB	≥18dB	≥18dB
Return loss(Full temp)	≥18dB	≥18dB	≥18dB	≥18dB	≥18dB
Center frequency insertion loss(Normal temp)	≤0.6dB	≤0.6dB	≤0.6dB	≤0.6dB	≤1.1dB
Center frequency insertion loss(Full temp)	≤0.7dB	≤0.7dB	≤0.7dB	≤0.7dB	≤1.2dB
Insertion loss(Normal temp)	≤1.3dB	≤1.3dB	≤1.5dB	≤1.0 dB	≤1.3 dB
Insertion loss(Full temp)	≤1.8dB	≤1.8dB	≤1.8dB	≤1.0 dB	≤1.8 dB
Ripple(Normal temp)	≤1.0dB	≤1.0dB	≤1.0 dB	≤1.0 dB	≤1.0 dB



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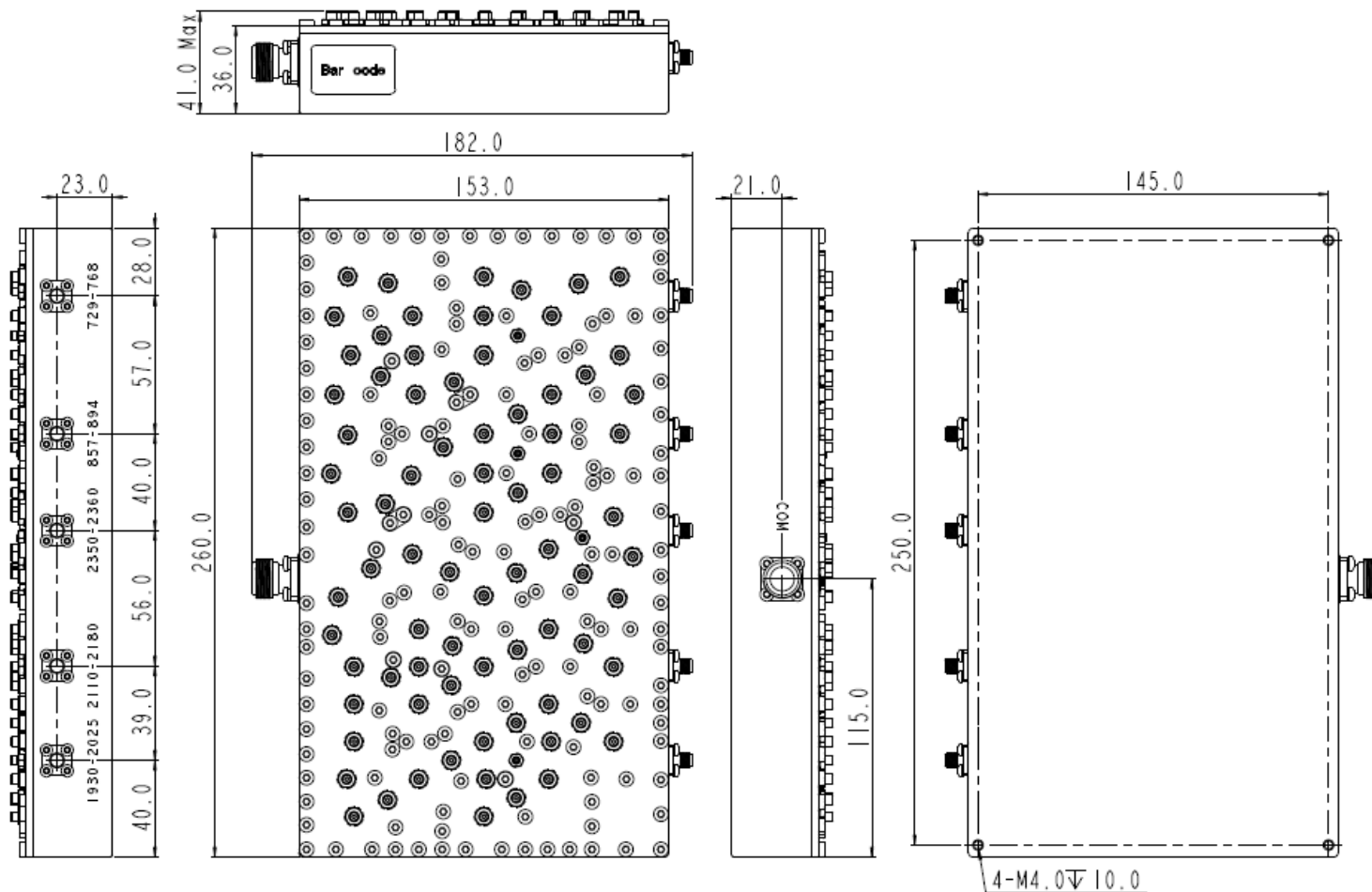
Ripple(Full temp)	≤1.2dB	≤1.2dB	≤1.3 dB	≤1.0 dB	≤1.0 dB
Rejection	≥60dB@663-716MHz	≥60dB@663-716MHz	≥60dB@663-716MHz	≥60dB@663-716MHz	≥60dB@663-716MHz
	≥57dB@777-798MHz	≥60dB@777-798MHz	≥60dB@777-798MHz	≥60dB@777-798MHz	≥60dB@777-798MHz
	≥60dB@814-849MHz	≥50dB@814-849MHz	≥60dB@814-849MHz	≥60dB@814-849MHz	≥60dB@814-849MHz
	≥60dB@1850-1915MHz	≥60dB@1850-1915MHz	≥55dB@1850-1915MHz	≥60dB@1850-1915MHz	≥60dB@1850-1915MHz
	≥60dB@1710-1780MHz	≥60dB@1710-1780MHz	≥60dB@1695-1780MHz	≥60dB@1710-1780MHz	≥60dB@1710-1780MHz
	≥60dB@2305-2315MHz	≥60dB@2305-2315MHz	≥60dB@2305-2315MHz	≥60dB@2305-2315MHz	≥60dB@2305-2315MHz
	≥60dB@2400-3700MHz	≥60dB@2400-3700MHz	≥60dB@2400-4200MHz	≥60dB@2400-4200MHz	≥60dB@2400-4200MHz
	≥60dB@1575-1610MHz	≥60dB@1575-1610MHz	≥60dB@1575-1610MHz	≥60dB@1575-1610MHz	≥60dB@1575-1610MHz
Input power	≤80W Average handling power at every input port				
Output Power	≤400W Average handling power at ANT port				
Impedance	50 Ω				
Temperature range	-40°C to +85°C				

Mechanical specification

Parameter	Specifications
Dimension	LxWxH: 260mm x 182mm x 36mm (41mm Max) (±0.2mm Dimensional tolerance)
COM connector	N-Female
Input connectors	SMA-Female
Finish	Black (Paint spraying)
Salt mist	EN60068-2-11 / Ka Cass ST4
Humidity	95%RH 2cycles 2 24H 25°C to 55°C according to EN50155:2017 cyclic damp heat test (13.4.7)
Weight	≤2.2kg

Notes	Material shall be RoHS 6/6
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Outline





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Simulation curve

