

Cavity Duplexer

A2TD450M470M16SM2

Revision record

Date	Version	Author	Revision description	Comment
2024/09/05	V1.0	Sam	Created	/

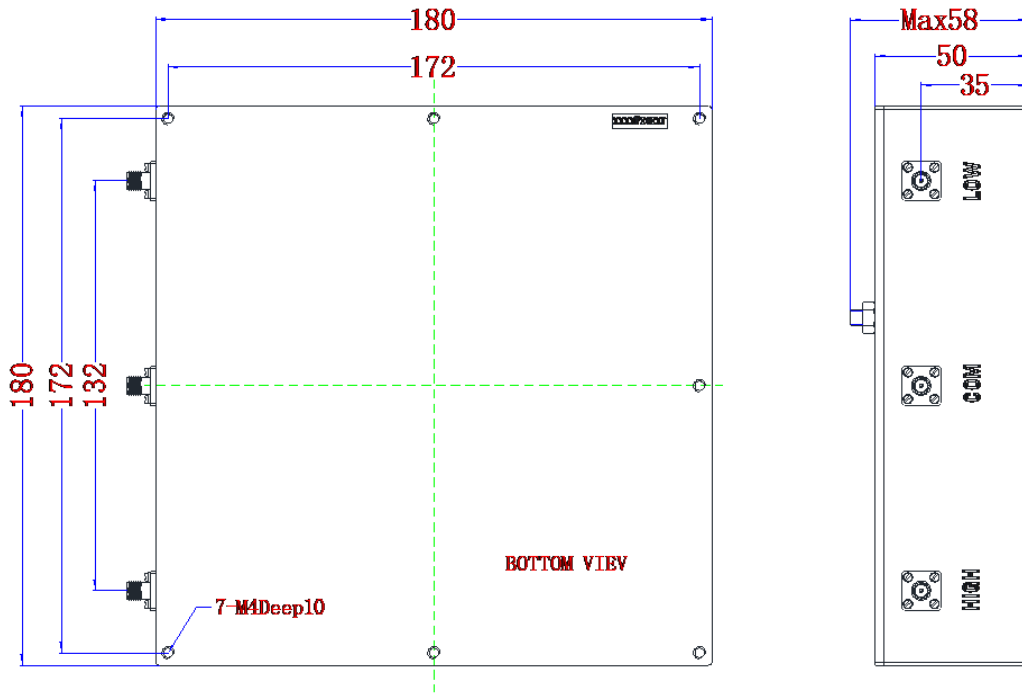
Electrical specification

Parameter		Specification	
Frequency range		Pre-tuned and field tunable across 450~470MHz	
		Low	High
		450MHz	470MHz
Insertion loss		≤4.9dB	≤4.9dB
Bandwidth		1MHz (Typically)	1MHz (Typically)
Return loss	(Normal Temp)	≥20dB	≥20dB
	(Full Temp)	≥15dB	≥15dB
Rejection		≥92dB@F0±3MHz	≥92dB@F0±3MHz
		≥98dB@F0±3.5MHz	≥98dB@F0±3.5MHz
Power		100W	
Operating range		0°C to +55°C	
Impedance		50Ω	

Mechanical specification

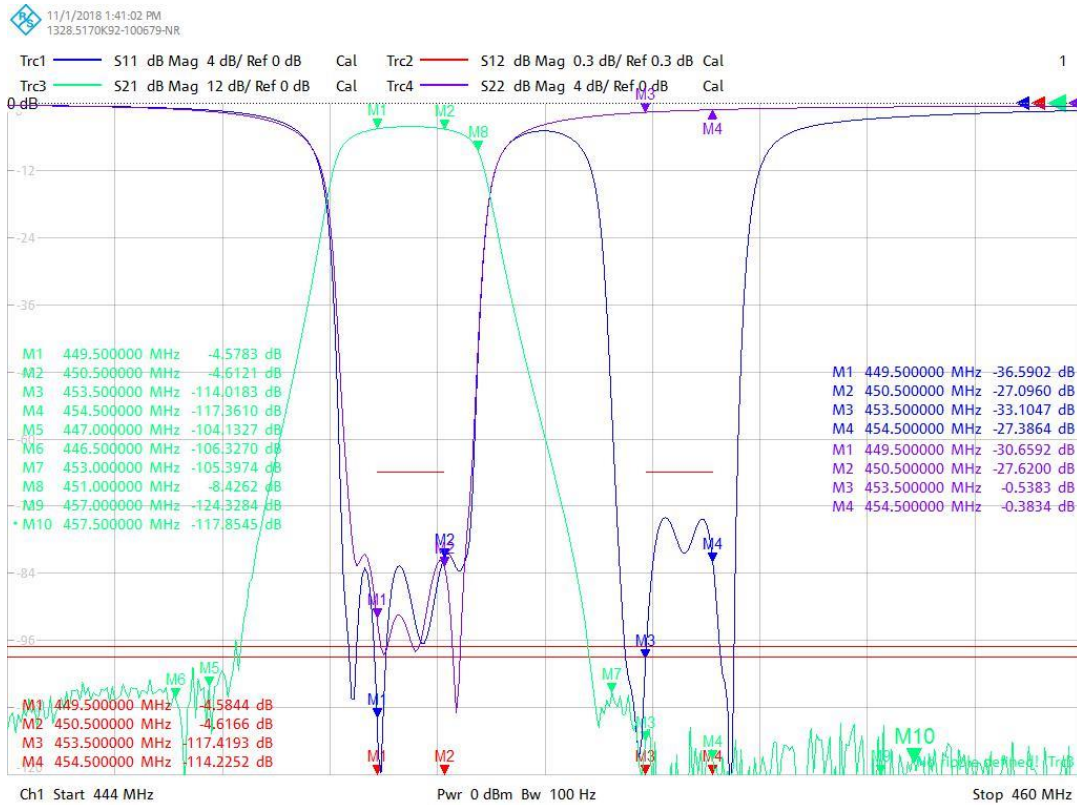
Parameter	Specification
Dimension	L x W x H: 180mm x 180mm x 50mm (58 Max)
Connectors	SMA-Female
Finish	Silver
Notes	Material shall be RoHS 6/6

Outline



Test curve

Low:





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High:

