

# Cavity Duplexer

## A2TD470M490M16SM2

### Revision record

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

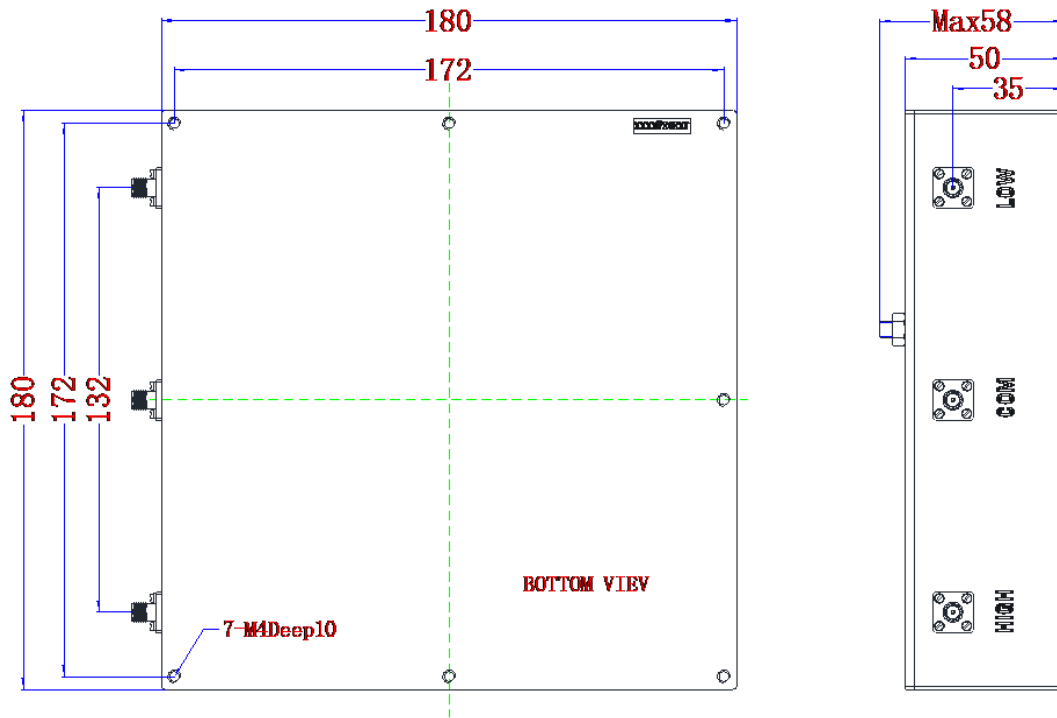
### Electrical specification

Parameter		Specification	
Frequency range		Pre-tuned and field tunable across 500~510MHz	
		Low	High
		499MHz	512MHz
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
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



The simulation curve

