

Cavity Duplexer

A2CD380M396.5MH72LP

Revision record

Date	Version	Author	Revision description	Comment
2024/09/10	V1.1	Lee	Created	/

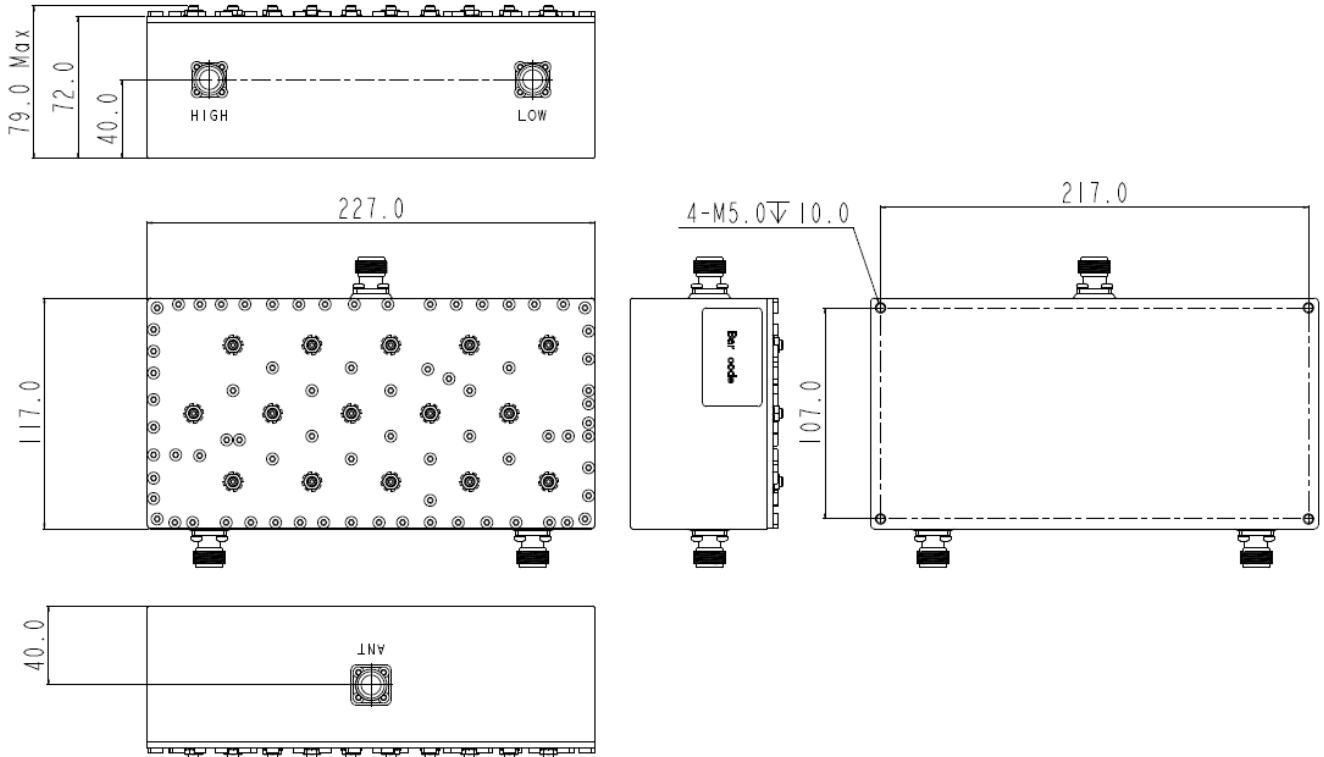
Electrical specification

Parameter	LOW	HIGH
Frequency range	380-386.5MHz	390-396.5MHz
Return loss	≥18dB	≥18dB
Insertion loss(normal temp)	≤2.0dB	≤2.7dB
Insertion loss(full temp)	≤2.0dB	≤3.0dB
Rejection	≥65dB@390-396.5MHz	≥92dB@380-386.5MHz
Isolation	≥92dB@380-386.5MHz & ≥65dB@390-396.5MHz	
PIM	≤-144dBc IM3 @ 2*33dBm (RF-Out -> Duplexer High Port RF-In -> Duplexer Low Port LowPimLoad -> Duplexer Antenna Port)	
Power handling	50W max	
Temperature range	-10°C to +60°C	
Impedance	50Ω	

Mechanical specification

Parameter	Specification
Dimension	L x W x H: 227mm x 117mm x 72mm (79mm Max)
Port connectors	N-Female 4 hole panel receptacle plug
Finish	Black paint spraying
Notes	Material shall be RoHS 6/6

Outline



Simulation curve

