

Cavity Duplexer

A2CD901M931M70AB

Revision record

Date	Version	Author	Revision description	Comment
2024/09/12	V1.0	Lee	Created	/

Electrical specification

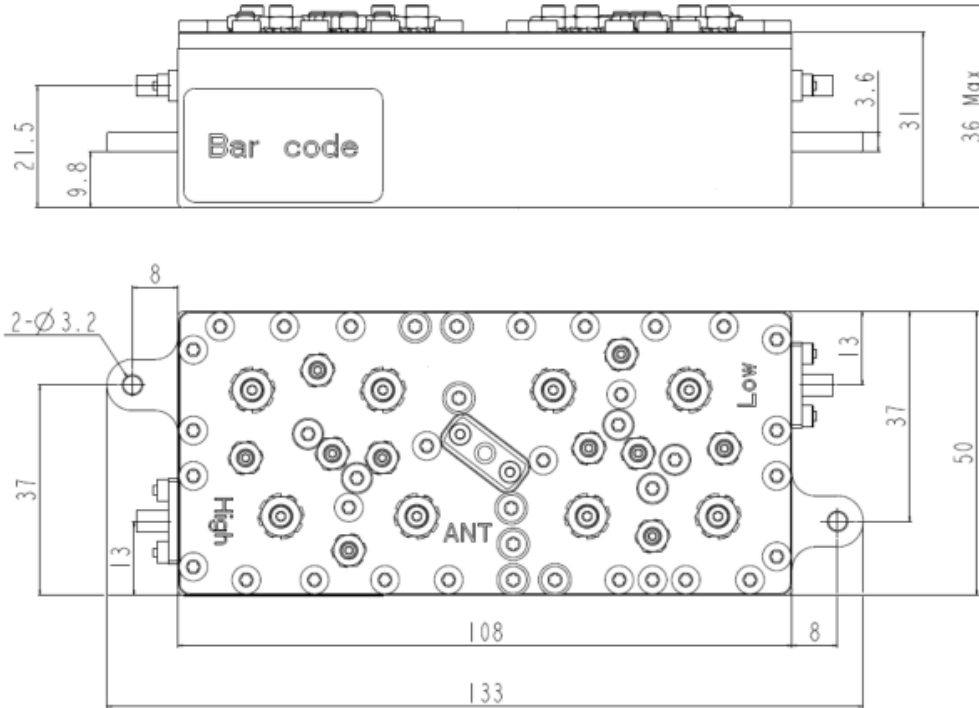
Parameter	Low	High
Frequency range	901-902MHz	930-931MHz
Centre frequency (Fo)	901.5MHz	930.5MHz
Insertion loss	≤2.5dB	≤2.5dB
Return loss (Normal Temp)	≥20dB	≥20dB
Return loss (Full Temp)	≥18dB	≥18dB
Bandwidth (within 1dB)	>1.5MHz (over temp, Fo +/-0.75MHz)	
Bandwidth (within 3dB)	> 3.0MHz (over temp, Fo +/-1.5MHz)	
Rejection1	≥70dB @ Fo + > 29MHz	
Rejection2	≥55dB @ Fo + > 13.3MHz	
Rejection3	≥37dB @ Fo - > 13.3MHz	
Power	50W	
Impedance	50Ω	
Temperature range	-30°C to +70°C	

Mechanical specification

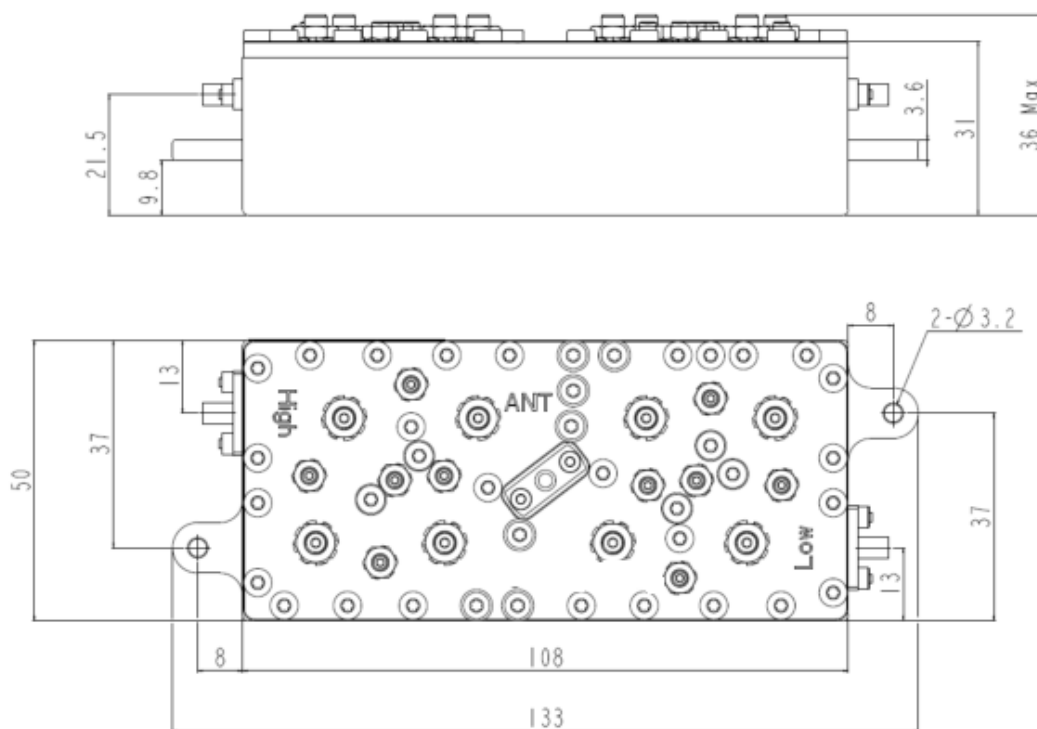
Parameter	Specification
Dimension	L x W x H: 108mm x50mm x 31mm (36mm Max)
Port connectors	SMB-Male
Finish	Silver
Notes	Material shall be RoHS 6/6

Outline

A2CD901M931M70A:



A2CD901M931M70B:





Apex Microwave Co. LTD

Test curve

