

Cavity Combiner

A3CC156M945M30SWP

Revision record

Date	Version	Author	Revision description	Comment
2024/11/06	V1.0	Lee	Created	/

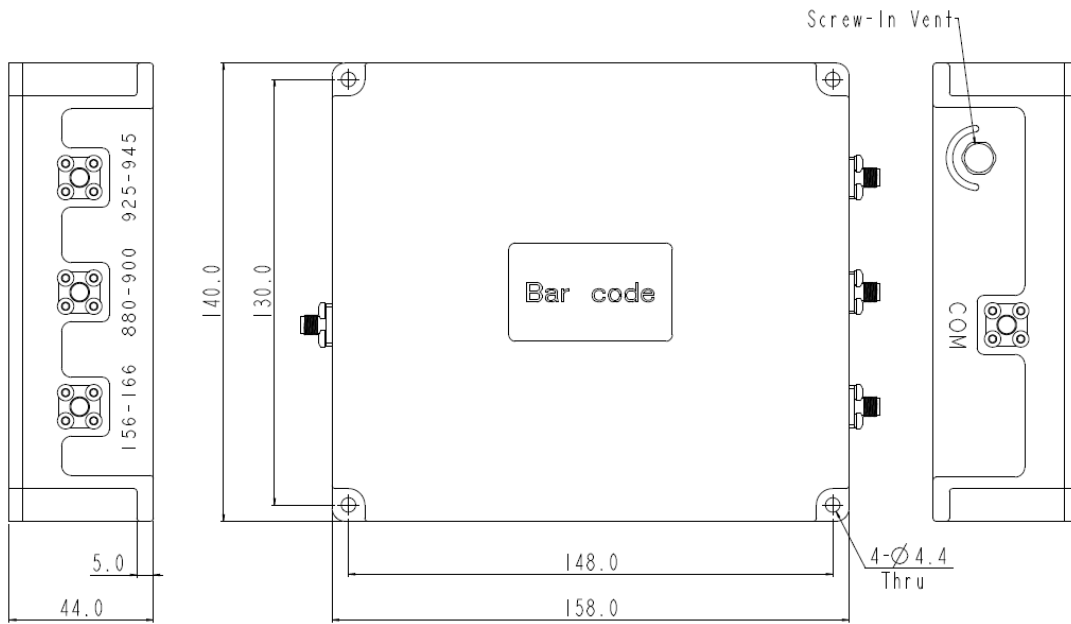
Electrical specification

Parameters	Band 1	Band 2	Band 3
Frequency range	156-166MHz	880-900MHz	925-945MHz
Return loss	≥15dB	≥15dB	≥15dB
Insertion loss	≤1.5dB	≤1.5dB	≤1.5dB
Rejection	≥30dB@880-945MHz	≥30dB@156-166MHz ≥85dB@925-945MHz	≥85dB@156-900MHz ≥40dB@960MHz
Power	20 Watts	20 Watts	20 Watts
Isolation	≥30dB@Band1 & Band2 ≥85dB@Band2 & Band3		
Impedance	50Ω		
Temperature range	Operating: -40 °C to +70 °C Storage: -50 °C to +90 °C		

Mechanical specification

Parameter	Specification
Dimension	L x W x H: 158mm x 140mm x 44mm
Connectors	SMA-Female
Mounting	4-φ4.4 Thru
Finish	Gray, Akzo Nobel RA7035, Powder spraying
Environmental	IP65
Salt mist	EN 60945
Shock	20 G. 11ms
Vibration	20 G. 5 to 200 Hz
Notes	Material shall be RoHS 6/6

Outline



Simulation curve

