

Power Divider

AxPD140M500MNF

Revision record

Date	Version	Author	Revision description	Comment
2024/09/11	V1.1	Vivian	Created	/

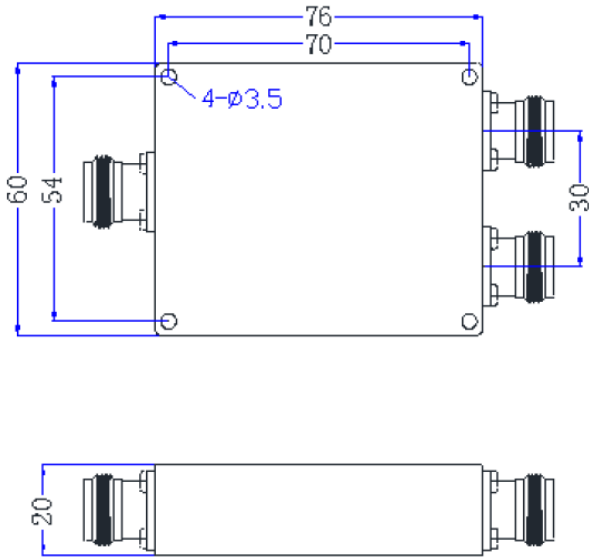
Electrical specification

Parameter	Specification		
Frequency range	140-500MHz		
Model number	A2PD140M500MNF	A3PD140M500MNF	A4PD140M500MNF
Insertion loss	≤1.0dB (Exclusive the 3dB Split Loss)	≤1.5dB (Exclusive the 4.8dB Split Loss)	≤1.6dB (Exclusive the 6dB Split Loss)
VSWR	≤1.5(Input) & ≤1.3(Output)	≤1.6(Input) & ≤1.4(Output)	≤1.6(Input) & ≤1.3(Output)
Amplitude balance	≤±0.3dB	≤±0.5dB	≤±0.4dB
Phase Balance	≤±3degree	≤±5degree	≤±4degree
Isolation	≥20dB	≥16dB	≥20dB
Average Power	20W (Forward) & 2W (Reverse)		
Impedance	50Ω		
Operating temperature	-40°C to +80°C		
Storage temperature	-45°C to +85°C		

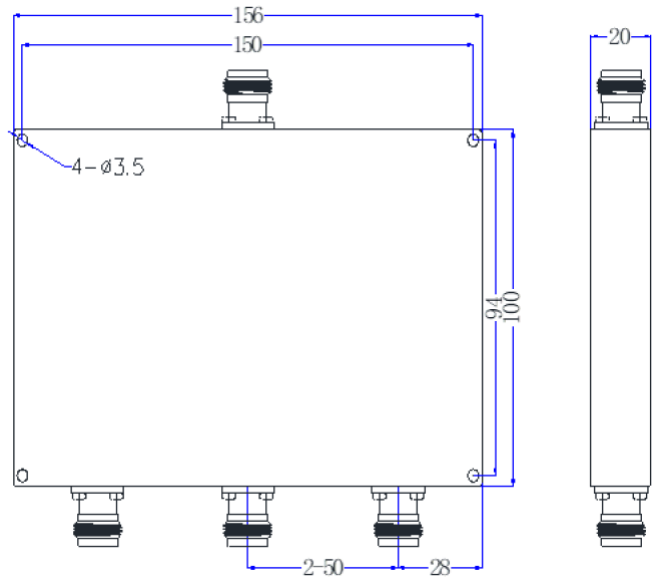
Mechanical specification

Parameter	Specification		
Model number	A2PD140M500MNF	A3PD140M500MNF	A4PD140M500MNF
Dimension	L x W x H: 76mm x 60mm x 20mm	L x W x H: 156mm x 100mm x 20mm	L x W x H: 120mm x 120mm x 20mm
Connectors	N-Female		
Finish	Conductive Oxide		
Notes	Material shall be RoHS 6/6		

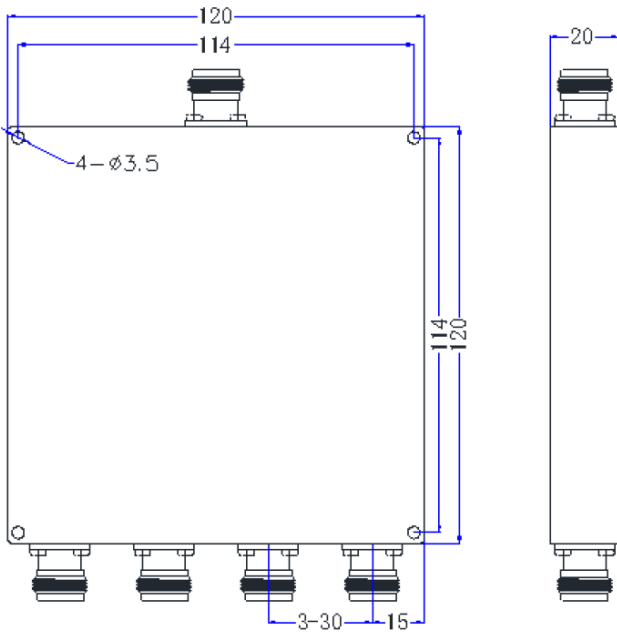
Outline



A2PD140M500MNF



A3PD140M500MNF



A4PD140M500MNF