

Directional Coupler ADC140M500MNx

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	ADC140M500 MN6	ADC140M500 MN10	ADC140M500 MN15	ADC140M500 MN20
Nominal coupling	6±1.0dB	10±1.0dB	15±1.0dB	20±1.0dB
Insertion loss	≤0.5dB(Exclusi ve the 1.30dB Coupling Loss)	≤0.5dB(Exclusi ve the 0.45dB Coupling Loss)	≤0.5dB(Exclusi ve the 0.15dB Coupling Loss)	≤0.5dB
Coupling sensitivity	±0.7dB			
VSWR	≤1.3			
Directivity	≥18dB			
Forward power	30W			
Impedance	50Ω			
Operating temperature	-40°C to +80°C			
Storage temperature	-55°C to +85°C			

Mechanical specification

Parameter	Specification
Dimension	L x W x H: 150mm x 55mm x 20mm
Connectors	N-Female
Material	Aluminium
Finish	Conductive Oxide
Notes	Material shall be RoHS 6/6

Outline

