

Features

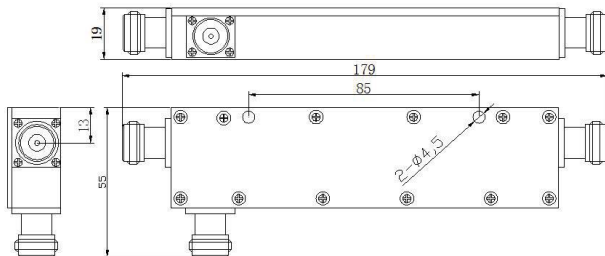
- UHF Wideband Directional Coupler (450-512 MHz)
- Low VSWR
- Low Insertion Loss
- For indoor Applications (IP60 Rated)



Description

The UHF directional coupler provides controlled signal distribution within the 450–512 MHz band. It directs signal levels with minimal insertion loss so downstream antennas maintain adequate coverage. Offered in –6 dB and –10 dB variants, it maintains high directivity and low VSWR for consistent in-building performance.

Mechanical Drawing



Technical Specifications

Model Number	COUP-UHF-6	COUP-UHF-10
Type	-6 dB	-10 dB
Insertion Loss	1.7 dB	0.8 dB
Coupling Port Loss	6 ± 1.2 dB	10 ± 1.5 dB
Directivity	≥24 dB	≥26 dB
Frequency Range	450 - 512 MHz	
VSWR	≤1.25:1	
Power Capacity	200W	
Impedance	50 Ω	
Connector Type	N-Female	
Dimensions	179 × 55 × 19 mm/ 7 × 2.2 × 0.8 inch	
Weight	.56 lb.	
Operating Temp.	-30° to +65° C	
Color	Red	

Ordering Information

Model	Description	Stock No.
COUP-UHF-6	Directional Coupler, 6dB, 450-512MHz, 200 W	3996159
COUP-UHF-10	Directional Coupler, 10dB, 450-512MHz, 200 W	3996160