

DIRECTIONAL COUPLERS

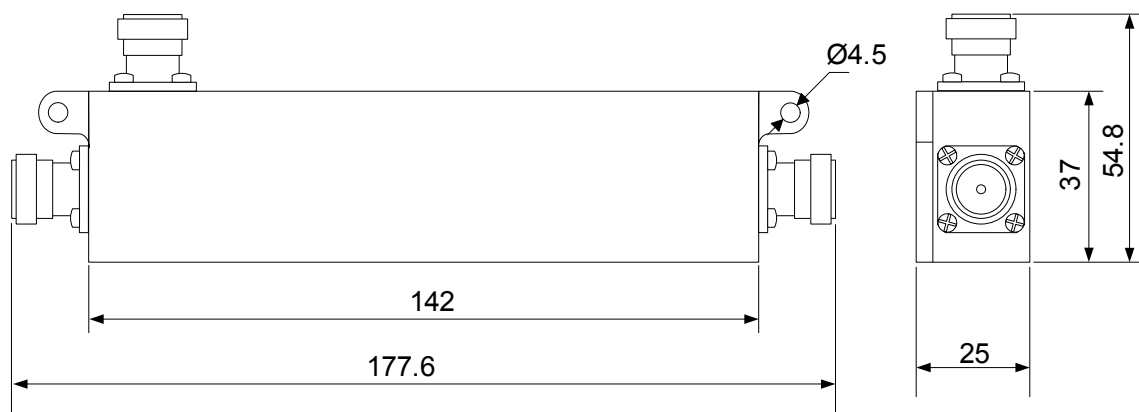
300-500MHz, 6 to 30dB, N type Connectors

- › Low Loss Stripline Couplers
- › 200Watt Average Main Line Power
- › 20dB Isolation, Minimum
- › Minimal RF Insertion Loss
- › High Reliability
- › Environment IP65



The Axell Wireless series of Directional Couplers utilizes a stripline design for indoor and outdoor applications. Units couple off a defined fraction of signal with minimal reflections or loss. All units are sealed to IP65 specification and their mechanical configuration allows them to be easily fixed onto a wall or a mast or pole. These devices are suitable for use with antennas and leaky cable systems and wireless base stations.

Part Number	90-852306	90-852310	90-852315	90-852320	90-852330
Frequency Band	300 - 500MHz	300 - 500MHz	300 - 500MHz	300 - 500MHz	300 - 500MHz
Coupling	-6dB $\pm$ 1.0dB	-10dB $\pm$ 1.0dB	-15dB $\pm$ 1.0dB	-20dB $\pm$ 1.0dB	-30dB $\pm$ 1.0dB
Maximum Mainline Loss	1.7dB	0.8dB	0.4dB	0.22dB	0.20dB
Maximum Insertion Loss	0.20dB	0.20dB	0.20dB	0.20dB	0.20dB
Maximum Reflected Power	40W	100W	200W	200W	200W
VSWR	1.20:1 Maximum, All Ports				
Minimum Isolation	20dB				
Average Power Rating	200W; 1.5kW peak				
Impedance	50 Ohm, nominal				
Temperature Range	-25°C to +75°C				
Environment	IP65, RoHS compliant				
Housing	Passivated Aluminium or powder paint				
Connectors	N type female				
DC transmission	Between mainline input and output only				
Mass	440g	440g	440g	440g	440g



90-8523xx, typical outline