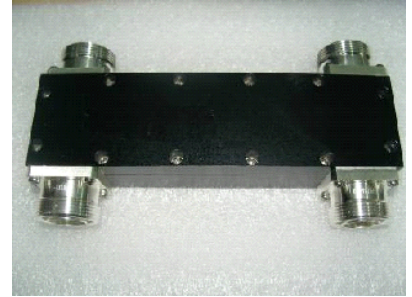


3dB Directional Hybrid Coupler

Product Description

The CDS3*-698/2700 Hybrid Coupler has been designed to meet the special needs of the wireless market. They are most commonly used to combine two wireless carriers in the band to a single antenna feed or distribution cable. This requires the termination of one output port in 50Ohm and results in a 3 dB loss in each signal. In situations where two similar feeds are required, as required for an in-building application, both outputs may be used eliminating the need for a termination and the 3 dB loss.



sample is CDS3DE-700/2700

Features/Benefits

- High Isolation, Low VSWR and Loss
- Single and Dual Band Ranges SMR/PMR, 2G, 3G and WiFi
- 200 Watt Average Power Rating
- High Reliability
- Convenient connector spacing and easy mounting to pole or wall
- N female connectors

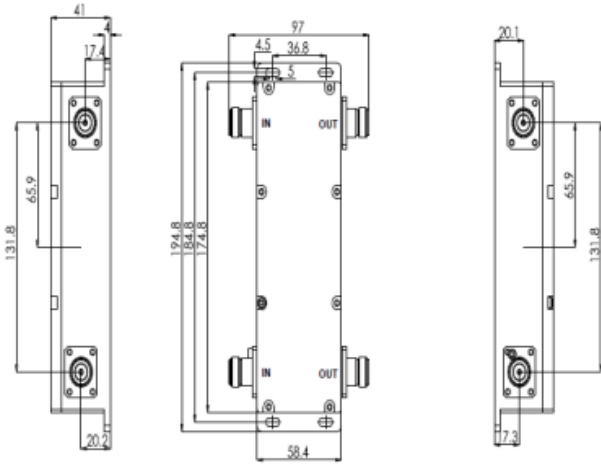
Technical Specifications

Product Type	Directional Hybrid Coupler
Techn. Application	Indoor
Frequency Range, MHz	700 - 2700
Number of Input Ports	2
Number of Output Ports	2
Connector Type	N female
Impedance, Ohm	50
VSWR / R L, dB	1.2 / 20.8
Intermodulation (IM3)	140 dBc with 2x43 dBm tones
Isolation min, dB	25
Coupling Value, dB	3.0±0.5
Total Input Power, W	200
RF Peak Power, kW	1
Temperature Range, °C (°F)	-30 to 70 (-22 to 158)
Height, mm (in)	41 (1.61)
Width, mm (in)	58.4 (2.3)
Length, mm (in)	194.8 (7.67)
Weight, kg (lb)	0.88 (2.2)
Environmental Class	IP65

Notes**Other Documentation**



3dB Directional Hybrid Coupler



Sketch CDS3E-700/2700

All information contained in the present datasheet is subject to confirmation at time of ordering