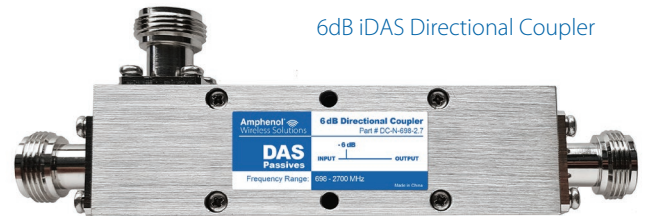


DAS Directional Coupler

Our iDAS Directional Couplers deliver ultra-wide operational bandwidth and high directivity. Used in many distributed antenna systems, these directional couplers can be used for power monitoring, isolation of signal sources, signal sampling and as antenna feeds.

The couplers are optimized for carrier signals in the 694 - 3600 MHz band. Configurations offered include fixed ratio splits of 3, 6, 10, 15, 20 and 30 dB.

Our DAS Directional Couplers offer excellent signal performance, mechanical reliability and meet IP 65 standards for environmental durability in outdoor installations. Connectors include N, 7/16 DIN, and 4.3-10.



6dB iDAS Directional Coupler

Features & Benefits:

- 500-3700 MHz Band
- High Output Directivity (Port to Coupled Port)
- Low Insertion Loss
- Rated to 200 Watts
- High Reliability
- ROHS Compliant
- N, 7/16 DIN and 4.3-10 Connectors

Specifications

Connector Type	Part Number - By Connector Type					
N Connector	HPDC3-N-69436	HPDC6-N-69436	HPDC10-N-69436	HPDC15-N-69436	HPDC20-N-69436	HPDC30-N-69436
7/16 DIN Connector	HPDC3-D-69436	HPDC6-D-69436	HPDC10-D-69436	HPDC15-D-69436	HPDC20-D-69436	HPDC30-D-69436
4.3-10 Connector	HPDC3-B-69436	HPDC6-B-69436	HPDC10-B-69436	HPDC15-B-69436	HPDC20-B-69436	HPDC30-B-69436
Coupling Nominal	3dB	6dB	10dB	15dB	20dB	30dB
Frequency Bands:						
694-2500 MHz	±0.75 dB	±0.75 dB	±1.0 dB	+1.2/-0.8 dB	±1.0 dB	±1.0 dB
2500-3600 MHz	±0.9 dB	±0.9 dB	±1.0 dB	+1.2/-0.8 dB	±1.0 dB	±1.2 dB
Coupled Loss:	3.01 dB	1.26 dB	0.45 dB	0.14 dB	0.04 dB	0.01 dB
Dissipative Loss:	<0.30 dB	<0.30 dB	<0.30 dB	<0.30 dB	<0.30 dB	<0.30 dB
VSWR (All Models):	1.20:1 max., 694-2500 MHz -- 1.25:1 max., 2500-3300 MHz -- 1.40:1 max., 3300-3600 MHz					
PIM 2 tone test at +43 dBm:	-161 dBc typical					
Power Rating:	200W avg., 1.5 kW Peak †					
Directivity:	20 dB min., 694-2500 MHz, 18 dB min., 2500-3300 MHz; 16 dB min., 3300-3600 MHz					
Impedance:	50Ω nominal					
Environment:	IP65					
Temperature Range:	0°C to +50°C, below 0°C coupling is maintained but directivity degrades					
Connectors: Body / Finish	Brass / Trimetal					
Housing Finish:	Passivated Aluminum					
Weight ~ Lbs. / Kg:	1.5 - 1.625 / .670 - .750					
Mounting:	Bracket supplied					