



**DC7205, M1  
DC7205A, M1  
Dual Directional Coupler  
0.7GHz–6GHz**

The Models DC7205 and DC7205A are dual directional couplers with excellent frequency range and power handling capability. The wide range assures flexibility in coupling medium power amplifiers to oscilloscopes, voltmeters, power meters, spectrum analyzers and other measuring instruments. The dual directional design allows the user to monitor both forward and reflected power, a much needed characteristic in RF susceptibility testing for amplifier overdrive protection, field control and load protection. Low insertion loss allows efficient coupling to the load.

The Model DC7205 and DC7205A series is uniquely suited for use with our line of 0.7–6 GHz S-Series power amplifiers, other amplifiers operating within this frequency and power range, and our PM2003 power meter.

The export classification for this equipment is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

**SPECIFICATIONS**

- FREQUENCY RANGE.....0.7–6GHz
- POWER (Maximum Watts) .....250W CW
- COUPLING FACTOR .....41 dB ± 1.2 dB (includes flatness)
- FLATNESS.....± 0.8dB
- DIRECTIVITY
  - Typical ..... 18 dB
  - Minimum ..... 15 dB
- INSERTION LOSS .....0.2 dB maximum
- IMPEDANCE (Main Line) .....50 ohms, VSWR 1.2:1 maximum
- CONNECTORS
  - Main Line .....See Model Configuration
  - Coupled.....See Model Configuration
- WEIGHT .....0.27 kg (0.6 lbs)
- SIZE (WxHxD) .....6.8 x 5.1 x 3.05 cm (2.7 x 2.0 x 1.2 in)
- EXPORT CLASSIFICATION .....EAR99

**Model Configurations**

<b>Model Number</b>	<b>Main Line J1/J2</b>	<b>Coupler Connectors J3/J4</b>
DC7205A	N(M)/N(F)	N(F)/N(F)
DC7205AM1	N(M)/N(F)	SMA(F)/SMA(F)
DC7205	N(F)/N(F)	N(F)/N(F)
DC7205M1	N(F)/N(F)	SMA(F)/SMA(F)