



Accessories

Model DC7435A, DC7435 Dual Directional Coupler

Features:

- 200 W CW, 4 - 18 GHz
- Excellent frequency range and power handling
- Forward and Reflected power monitoring

Applications:

- Use with S-Series models within frequency and power range

To view our full accessories portfolio visit:
<https://arworld.us/test-accessories>

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ISO 9001:2015 Certified
ISO 17025 :2017 Accredited

The Model DC7435/DC7435A Series are wide-band dual directional couplers intended for use with S-Series microwave amplifiers operating within the frequency and power range. The wide frequency range assures flexibility in coupling high power amplifiers to power meters, spectrum analyzers, receivers, 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 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.



Model DC7435A, DC7435

- 200 W CW
- 4 - 18 GHz

Specifications				
Parameter	Minimum	Typical	Maximum	Unit
Power (CW, maximum)		200		W
Power (Peak)			3000	W
Operating Frequency	4		18	GHz
Coupling Factor		35 ± 2.5		dB
Coupling Flatness		±1.5		dB
Directivity	10	16		dB
Insertion Loss			0.6	dB
Impedance		50		Ohm
		1.5:1		VSWR
Export classification	EAR99			

Mechanical Specifications		
Parameters		Unit
Size (W x H x D)	9.47 x 2.54 x 4.78	cm
	3.73 x 1.0 x 1.88	in
Weight	0.34	kg
	0.85	lb

Connector interfaces			
	DC7435A	DC7435AM1	DC7435M1
Function	Type	Type	Type
Mainline J1/J2	N male/N female	N male/N female	N female/N female
Coupled J3/J4	SMA female	N female	SMA female

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To order AR Products, call: 215.723.8181. For an applications engineer, call: 800.933.8181. Direct to Service call: 215.723.0275 or email: service@arworld.us

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