



# Accessories

## Model DC7240A, DC7240 Dual Directional Coupler

### Features:

- 1 - 6 GHz
- 1200 W, 1 - 5 GHz
- 800 W, 5 - 6 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 Models DC7240A & DC7240 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 DC7240A/DC7240 series is uniquely suited for use with our 1- 6 GHz, 750S1G6C and 1000S1G6C power amplifiers or other amplifiers operating within this frequency and power range.

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 DC7240A, DC7240

- 1 – 6 GHz
- 1200 W, 1 – 5 GHz
- 800 W, 5 – 6 GHz

Specifications				
Parameter	Minimum	Typical	Maximum	Unit
Power (CW, maximum), 1 – 5 GHz			1200	W
Power (CW, maximum), 5 – 6 GHz			800	W
Operating Frequency	1		6	GHz
Coupling Factor (nominal)		60 ± 1.0		dB
Coupling Flatness		±0.5		dB
Directivity	15			dB
Insertion Loss			0.2	dB
Impedance		50		Ohm
with 7-16(F) input connector		1.35:1		VSWR
with 7-16(M) input connector		1.45:1		VSWR
Export classification	EAR99			

Mechanical Specifications		
Parameters		Unit
Size (W x H x D)	5.46 x 5.08 x 3.45	cm
	2.15 x 2.0 x 1.36	in
Weight	0.27	kg
	0.6	lb

Connector interfaces		
	DC7240A	DC7240
Function	Type	Type
Mainline J1/J2	7-16 male/7-16 female	7-16 female/7-16 female
Coupled J3/J4	N female/N female	N female/N female

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