CWK-R-G Series - Directional Couplers

TECHNICAL FEATURE

FEATURES

- 0.5 to 40 GHz
- Ultra-Broadband Stripline
- Standard Coupling Values
- K-Connectors

PRINCIPAL SPECIFICATIONS									
Model Number	Frequency Range, GHz	Coupling¤, dB, Nom.	Freq. D Sensit., dB, Max.	irectivity, dB, Min.	*Insertion Loss, dB, Max		WR Max., Coupled Line	Coupled Pwr "Loss", dB, Max.	Out- line Ref.
CWK-10R-20.2G	0.5 - 40.0	10 ±1.0	±1.5	10	3.3	1.7:1	1.8:1	0.46	1
CWK-10R-21G CWK-16R-21G	2.0 - 40.0	10 ±1.0 16 ±1.0	±0.65	11	1.9 1.4	1.6:1	1.7:1	0.46 0.08	4
CWK-10R-23G CWK-20R-23G	6.0 - 40.0	10 ±1.0 20 ±1.0	±0.7	12	1.7 1.3	1.8:1	1.9:1	0.46 0.044	3
CWK-10R-29G CWK-20R-29G	18.0 - 40.0	10 ±1.0 20 ±1.0	±0.65	12	1.7 1.3	1.8:1	1.9:1	0.46 0.044	3
		¤Coupling is referenced to the output * Inserti				oss above	Coupled Por	wer "Loss"	

General Notes:

- 1. The CWK-R series of directional couplers are 3 port devices utilizing stripline technology in a connectorized package. Each unit is a multi-section quarter wave coupler designed to cover a very broad band of frequencies. They are ideally suited for monitoring forward or reflected power in EW and similar wideband systems with minimal perturbation to the main line.
- 2. Similar directional couplers and detectors may be custom ordered with coupling values up to 35 dB and over selected frequency bands up to 40 GHz and to 65 GHz with V connectors.
- 3. These units comply with MIL-C-15370 and may be supplied screened for compliance with additional specifications you designate for military and aerospace applications requiring the highest reliability.

GENERAL SPECIFICATIONS Impedance: 50 Ω nom. CW Input Power: 20 W max. Peak Input Power: 3 kW max. Reflected Power: 10/12 dB units: 4 Watts max 16/20 dB units: 50 Watts max. Operating Temperature: - 55° to +85°C Other Coupling Values: Check factory Other Frequency Bands: Check factory Special Screening: Check factory



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PACKAGE OUTLINE



