

CommScope Directional Coupler, 6 dB, 555-6000 MHz, 4.3-10 Female, -165 dBc

SKU: ACC-CS-00026

MPN: C-6-UW-43-A16

Description

The CommScope Directional Coupler (SKU: ACC-CS-00026) offers reliable RF performance for a range of applications. Operating across a frequency range of 555 to 2700 MHz, this coupler provides a coupling value of 6 dB. It features a robust IP65-rated enclosure, ensuring protection against dust and water ingress, and can function efficiently in temperatures from -35 °C to 85 °C.

Equipped with 4.3-10 Female connectors on all ports, the coupler maintains an input impedance of 50 Ω and a low 3rd Order PIM rating of -162 dBc. Its performance metrics include a VSWR of 1.2:1, Return Loss of ≤ 20.80 dB, Insertion Loss of 1.70 dB, and Inter-Port Isolation of > 26 dB, ensuring optimal signal integrity.

The product meets ISO 9001 Quality Management and RoHS compliance standards, underscoring its commitment to quality and environmental responsibility. Manufactured by CommScope, a leader in communications infrastructure, this directional coupler is...

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RF Specification

Min. Frequency:	555 MHz	Input Impedance:	50
Max. Frequency:	2700 MHz	Max. Input Power:	300 W
Coupling / Split:	6 dB	PIM, 3rd Order:	-162 dBc

Port Matrix

Port Function	RF Interface
Input	4.3-10 Female
Output	4.3-10 Female
Coupled	4.3-10 Female

Frequency Test Data

Start Frequency	Stop Frequency	VSWR	Insertion Loss	Inter-Port Iso.	Return Loss
555 MHz	2700 MHz	< 1.2:1	1.7 dB	> 26 dB	≤ 20.8 dB

Physical Specification

Input Ports:	1	Min. Operating Temperature:	-35 °C
Output Ports:	2	Max. Operating Temperature:	85 °C
Subtype:	Directional Coupler	Compliance/Certifications:	ISO 9001 Quality Management
Ingress Protection:	IP65	RoHS	
Dimensions:	158 x 75 x 22		
Weight:	0.38 kg		

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