

# CommScope Directional Coupler, 8 dB, 555-6000 MHz, 4.3-10 Female, -165 dBc

SKU: ACC-CS-00027  
 MPN: C-8-UW-43-AI6

## Description

The CommScope Directional Coupler (SKU: ACC-CS-00027) is designed for reliable RF signal management across a frequency range of 555 MHz to 2700 MHz. It features a coupling value of 8 dB and operates with a minimal insertion loss of 1.10 dB, ensuring efficient signal distribution. The device supports 4.3-10 Female connectors for all ports, offering ease of integration into existing systems.

With an IP65 rating, this coupler is protected against dust and low-pressure water jets, making it suitable for various indoor and outdoor applications. It functions effectively in temperatures from -35 °C to 85 °C, catering to diverse environmental conditions. The coupler's electrical performance is robust, with a VSWR of 1.2:1, return loss of ≤ 20.80 dB, and inter-port isolation of > 28 dB, ensuring optimal signal clarity and minimal interference.

Manufactured to ISO 9001 and RoHS standards, the coupler guarantees high quality and environmental...

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## RF Specification

Min. Frequency:	555 MHz	Input Impedance:	50
Max. Frequency:	2700 MHz	Max. Input Power:	300 W
Coupling / Split:	8 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	1.1 dB	> 28 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 mm x 75 mm x 22 mm		
Weight:	0.38 kg		

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