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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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CommScope

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what’s next and push the boundaries of ...

RF Specification

Min. Frequency
555 MHz
Max. Frequency
2700 MHz
Coupling / Split
8 dB
Input Impedance
50 Ω
Max. Input Power
300 W
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
Output Ports
2
Subtype
Directional Coupler
Ingress Protection
IP65
Dimensions
158 mm x 75 mm x 22 mm
Weight
0.38 kg
Min. Operating Temperature
-35 °C
Max. Operating Temperature
85 °C
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS

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