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

SKU
ACC-CS-00026
MPN
C-6-UW-43-AI6

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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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
6 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	1.7 dB	> 26 dB	≤ 20.8 dB

Physical Specification

Input Ports
1
Output Ports
2
Subtype
Directional Coupler
Ingress Protection
IP65
Dimensions
158 x 75 x 22
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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