

Page



Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

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...

[Read More](#)





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](#)

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

