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

CommScope 2x2 Hybrid Coupler, 555-6000 MHz, Low PIM Air Dielectric

SKU
ACC-CS-00028
MPN
H-3-UW-43-AI6

Description

The CommScope 2x2 Hybrid Coupler (SKU: ACC-CS-00028) is engineered for superior RF performance within the 555-6000 MHz frequency range. Designed with a coupling/split gain of 3.10 dB, this low PIM air dielectric coupler ensures minimal signal loss and enhanced performance, boasting a 3rd Order PIM rating of -165 dBc and an input impedance of 50 Ω. It features an IP67 ingress protection rating for robust environmental resistance, operating efficiently between -35 °C and 85 °C. The coupler is equipped with 4.3-10 Female connectors for both input and output ports, providing a VSWR of 1.3:1 and inter-port isolation of >20 dB across its operating spectrum. Compliant with RoHS and ISO 9001 Quality Management standards, it ensures reliability and quality assurance. CommScope, a leader in communication infrastructure solutions, manufactures this product in the United States. Their extensive expertise supports wired and wireless networks...

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
6000 MHz
Coupling / Split
3.1 dB
Input Impedance
50 Ω
Max. Input Power
200 W
PIM, 3rd Order
-165 dBc
Port Matrix

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

Frequency Test Data

Start Frequency	Stop Frequency	VSWR	Inter-Port Iso.

555 MHz	6000 MHz	< 1.25:1 > 20 dB

Physical Specification

Input Ports
2
Output Ports
2
Subtype
Hybrid Coupler
Ingress Protection
IP67
Dimensions
145 x 72 x 36
Weight
0.57 kg
Min. Operating Temperature
-35 °C
Max. Operating Temperature
85 °C
Compliance/Certifications
RoHS
,
ISO 9001 Quality Management

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.

