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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...

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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	Input Impedance:	50 Ω
Max. Frequency:	6000 MHz	Max. Input Power:	200 W
Coupling / Split:	3.1 dB	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	Min. Operating Temperature:	-35 °C
Output Ports:	2	Max. Operating Temperature:	85 °C
Subtype:	Hybrid Coupler	Compliance/Certifications:	RoHS , ISO 9001 Quality Management
Ingress Protection:	IP67		
Dimensions:	145 x 72 x 36		
Weight:	0.57 kg		

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