

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

SKU: ACC-CS-00028

MPN: H-3-UW-43-A16

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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RF Specification

Min. Frequency:	555 MHz	Input Impedance:	50
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
Ingress Protection:	IP67	ISO 9001 Quality Management	
Dimensions:	145 x 72 x 36		
Weight:	0.57 kg		

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