

# CommScope Low PIM 4x4 High Power Hybrid Matrix, 555-6000 MHz, 4.3-10 Female

SKU: ACC-CS-00087

MPN: H-4X4-UW-43-A16

## Description

The CommScope Low PIM 4x4 High Power Hybrid Matrix (SKU: ACC-CS-00087) is a robust RF adapter designed for optimal performance in the 555-6000 MHz frequency range. Its key feature is a 6.20 dB coupling, ensuring efficient signal division. Engineered for durability, it boasts an IP67 ingress protection, allowing it to function reliably in harsh environments from -35 °C to 85 °C.

This hybrid matrix offers a 3rd Order PIM rating of -163 dBc and maintains an input impedance of 50  $\Omega$ , ensuring minimal interference and maximum signal integrity. It is compliant with ISO 9001 and RoHS standards, signifying high quality and environmental responsibility.

Both input and output ports feature 4.3-10 Female connectors, facilitating seamless integration into various network configurations. The unit delivers an insertion loss of 17.70 dB and inter-port isolation exceeding 19 dB, enhancing overall network performance.

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# RF Specification

Min. Frequency:	555 MHz	Input Impedance:	50
Max. Frequency:	6000 MHz	Max. Input Power:	100 W
Coupling / Split:	6.2 dB	PIM, 3rd Order:	-163 dBc

## Port Matrix

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

## Frequency Test Data

Start Frequency	Stop Frequency	Insertion Loss	Inter-Port Iso.
555 MHz	6000 MHz	17.7 dB	> 19 dB

# Physical Specification

Input Ports:	4	Min. Operating Temperature:	-35 °C
Output Ports:	4	Max. Operating Temperature:	85 °C
Subtype:	Hybrid Coupler	Compliance/Certifications:	ISO 9001 Quality Management
Ingress Protection:	IP67	RoHS	
Dimensions:	182.6 x 182.6 x 32.3		
Weight:	1.64 kg		

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