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

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

SKU
ACC-CS-00087
MPN
H-4X4-UW-43-AI6

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 Ω, 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.

Manufactured by CommScope, a leader in...

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
6.2 dB
Input Impedance
50 Ω
Max. Input Power
100 W
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
Output Ports
4
Subtype
Hybrid Coupler
Ingress Protection
IP67
Dimensions
182.6 x 182.6 x 32.3
Weight
1.64 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.

