

VD-C15-CPUSE-N-A

ValuDAS™, 15 dB, Air Directional Coupler, 698–2700 MHz



Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia EMEA Latin America |
| Product Type | Directional coupler |
| Product Brand | ValuDAS® |
| Ordering Note | Available in Central and Latin America, Europe, Middle East, Africa, and Asia Pacific |

General Specifications

| | |
|------------------------------|----------|
| Device Type | Coupler |
| Application | Indoor |
| Color | Black |
| Inner Contact Plating | Silver |
| Interface | N Female |
| Outer Contact Plating | Trimetal |

Dimensions

| | |
|---------------|-------------------|
| Height | 22 mm 0.866 in |
| Width | 75 mm 2.953 in |
| Length | 155 mm 6.102 in |

Electrical Specifications

| | |
|---|-----------------------|
| 3rd Order IMD | -155 dBc |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| Insertion Loss at Frequency Band | 0.4 dB @ 698–2700 MHz |
| Return Loss, minimum | 20.8 dB |
| Average Power, maximum | 200 W |

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| | |
|------------------------------------|----------------------|
| Coupling | 15 dB |
| Coupling Tolerance | ±1.0dB |
| Impedance | 50 ohm |
| Isolation at Frequency Band | 35 dB @ 698–2700 MHz |
| Operating Frequency Band | 698 – 2700 MHz |
| Peak Power, maximum | 1 kW |
| Reflected Power, maximum | 200 W |
| VSWR | 1.2 |

Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -35 °C to +85 °C (-31 °F to +185 °F) |
| Relative Humidity | Up to 100% |
| Ingress Protection Test Method | IEC 60529:2001, IP65 |

Packaging and Weights

| | |
|-----------------------|-----------------------------------|
| Height, packed | 38 mm 1.496 in |
| Width, packed | 88 mm 3.465 in |
| Length, packed | 178 mm 7.008 in |
| Volume | 595.2 cc 36.321 in ³ |
| Weight, gross | 0.42 kg 0.926 lb |
| Weight, net | 0.37 kg 0.816 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |

