

VD-C10-CPUSEW-43B



ValuDAS™ 10 dB, Air Directional Coupler, 578–3800 MHz, 4.3-10

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 | White (RAL 9010) |
| Inner Contact Plating | Silver |
| Interface | 4.3-10 Female |
| Outer Contact Plating | Trimetal |

Dimensions

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|---------------|-------------------|
| Height | 26 mm 1.024 in |
| Width | 70 mm 2.756 in |
| Length | 176 mm 6.929 in |

Electrical Specifications

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|------------------------------------|---|
| 3rd Order IMD | -160 dBc |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| Insertion Loss | 0.8 dB |
| Average Power, maximum | 200 W |
| Coupling | 10 dB |
| Coupling Tolerance | ±1.0dB @ 2700–3800 MHz ±1.0dB @ 698–2700 MHz ±1.2dB @ 578–698 MHz |
| Impedance | 50 ohm |
| Isolation at Frequency Band | 30 dB @ 2700–3800 MHz 30 dB @ 575–2700 MHz |

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| | |
|---------------------------------|---|
| Operating Frequency Band | 578 – 3800 MHz |
| Peak Power, maximum | 2 kW |
| Reflected Power, maximum | 100 W |
| VSWR | 1.25 |
| Electrical Note | Values typical, unless otherwise stated |

Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -25 °C to +85 °C (-13 °F to +185 °F) |
| Relative Humidity | Up to 100% |
| Ingress Protection Test Method | IEC 60529:2001, IP65 |

Packaging and Weights

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|-----------------------|-------------------|
| Height, packed | 38 mm 1.496 in |
| Width, packed | 88 mm 3.465 in |
| Length, packed | 188 mm 7.402 in |
| Weight, gross | 0.49 kg 1.08 lb |
| Weight, net | 0.44 kg 0.97 lb |