

# VD-C13-CPUSE-43-A

ValuDAS™, 13 dB, Air Directional Coupler, 698–2700 MHz



## OBSOLETE

This product was discontinued on: October 31, 2020

### Replaced By:

VD-C13-CPUSEW-43-A ValuDAS™ 13 dB, Air Directional Coupler, 578–3800 MHz, 4.3-10

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America                   |
| <b>Product Type</b>          | Directional coupler   |
| <b>Product Brand</b>         | ValuDAS®  |
| <b>Ordering Note</b>         | Available in Central and Latin America, Europe, Middle East, Africa, and Asia Pacific |

## General Specifications

|                              |               |
|------------------------------|---------------|
| <b>Device Type</b>           | Coupler       |
| <b>Application</b>           | Indoor        |
| <b>Color</b>                 | Gray          |
| <b>Inner Contact Plating</b> | Silver        |
| <b>Interface</b>             | 4.3-10 Female |
| <b>Outer Contact Plating</b> | Trimetal      |

## Dimensions

|               |                   |
|---------------|-------------------|
| <b>Height</b> | 22 mm   0.866 in  |
| <b>Width</b>  | 75 mm   2.953 in  |
| <b>Length</b> | 155 mm   6.102 in |

## Electrical Specifications

# VD-C13-CPUSE-43-A

---

|   |                       |
|---|-----------------------|
| <b>3rd Order IMD</b>                    | -155 dBc              |
| <b>3rd Order IMD Test Method</b>        | Two +43 dBm carriers  |
| <b>Insertion Loss at Frequency Band</b> | 0.5 dB @ 698–2700 MHz |
| <b>Return Loss, minimum</b>             | 20.8 dB               |
| <b>Average Power, maximum</b>           | 200 W                 |
| <b>Coupling</b>                         | 13 dB                 |
| <b>Coupling Tolerance</b>               | ±1.0dB                |
| <b>Impedance</b>                        | 50 ohm                |
| <b>Isolation at Frequency Band</b>      | 33 dB @ 698–2700 MHz  |
| <b>Operating Frequency Band</b>         | 698 – 2700 MHz        |
| <b>Peak Power, maximum</b>              | 1 kW                  |
| <b>Reflected Power, maximum</b>         | 200 W                 |
| <b>VSWR</b>                             | 1.2                   |

## Environmental Specifications

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

## Packaging and Weights

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

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

