

# CT-20-TCPUSE-43-16

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20 dB, Tapper, 340–960/1710–2700 MHz



## OBSOLETE

This product was discontinued on: **March 31, 2019**

### Replaced By:

CT-20-TCPUSE-NI6      20 dB, Tapper, 340–960/1710–2700 MHz

## Product Classification

|                              |   |
|------------------------------|---|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA   Latin America   North America |
| <b>Product Type</b>          | Tapper  |

## General Specifications

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

## Dimensions

|               |                   |
|---------------|-------------------|
| <b>Height</b> | 25 mm   0.984 in  |
| <b>Width</b>  | 46 mm   1.811 in  |
| <b>Length</b> | 146 mm   5.748 in |

## Electrical Specifications

|                                  |                      |
|----------------------------------|----------------------|
| <b>3rd Order IMD</b>             | -162 dBc             |
| <b>3rd Order IMD Test Method</b> | Two +43 dBm carriers |

# CT-20-TCPUSE-43-16

|   |  |
|---|--|
| <b>Insertion Loss at Frequency Band</b> | 0.1 dB @ 1710–2700 MHz   0.1 dB @ 340–698 MHz   0.1 dB @ 698–960 MHz   |
| <b>Return Loss, minimum</b>             | 20.8 dB  |
| <b>Average Power, maximum</b>           | 300 W  |
| <b>Coupling</b>                         | 20 dB  |
| <b>Coupling Tolerance</b>               | ±1.25dB @ 1710–2700 MHz   ±1.25dB @ 698–960 MHz   ±1.5dB @ 340–698 MHz |
| <b>Impedance</b>                        | 50 ohm   |
| <b>Operating Frequency Band</b>         | 1710 – 2700 MHz   340 – 960 MHz  |
| <b>Peak Power, maximum</b>              | 3 kW   |
| <b>Reflected Power, maximum</b>         | 200 W  |
| <b>VSWR</b>                             | 1.2  |

## Mechanical Specifications

|                                  |                      |
|----------------------------------|----------------------|
| <b>Coupling Nut Proof Torque</b> | 7 N·m   61.955 in lb |
|----------------------------------|----------------------|

## 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> | 40 mm   1.575 in   |
| <b>Width, packed</b>  | 90 mm   3.543 in   |
| <b>Length, packed</b> | 180 mm   7.087 in  |
| <b>Weight, gross</b>  | 0.3 kg   0.661 lb  |
| <b>Weight, net</b>    | 0.25 kg   0.551 lb |

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant  |



