

# CT-6-TUW-43-16



6 dB, Tapper, 340 – 6000 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>                 | White          |
| <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>  | 43 mm   1.693 in  |
| <b>Length</b> | 141 mm   5.551 in |

## Electrical Specifications

|                                         |                                                                                                                                                                     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3rd Order IMD</b>                    | -165 dBc                                                                                                                                                            |
| <b>3rd Order IMD Test Method</b>        | Two +43 dBm carriers                                                                                                                                                |
| <b>Insertion Loss at Frequency Band</b> | 1.6 dB @ 1695–2700 MHz   1.6 dB @ 340–960 MHz   1.65 dB @ 3500–4500 MHz   1.65 dB @ 4900–6000 MHz                                                                   |
| <b>Return Loss at Frequency Band</b>    | 19.1 dB @ 3500–4500 MHz   19.1 dB @ 4900–6000 MHz   20.8 dB @ 1695–2700 MHz   20.8 dB @ 340–960 MHz                                                                 |
| <b>Average Power, maximum</b>           | 300 W                                                                                                                                                               |
| <b>Coupling</b>                         | 6 dB                                                                                                                                                                |
| <b>Coupling Tolerance</b>               | +0.1/-1dB @ 4900-6000 MHz   +0.15/-0.45dB @ 698-960 MHz   +0/-1.3dB @ 340-380 MHz   +0/-1.85dB @ 3500-4500 MHz   -0.2/-1.1dB @ 380-520 MHz   ±0.6dB @ 1695-2700 MHz |

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|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| <b>Impedance</b>                | 50 ohm                                                              |
| <b>Operating Frequency Band</b> | 1695 – 2700 MHz   340 – 960 MHz   3500 – 4500 MHz   4900 – 6000 MHz |
| <b>Peak Power, maximum</b>      | 3 kW                                                                |
| <b>Reflected Power, maximum</b> | 200 W                                                               |

## 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>Corrosion Test Method</b>          | IEC 60068-2-11, 30 days              |
| <b>Ingress Protection Test Method</b> | IEC 60529:2001, IP67                 |

## 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>  | 300 g   0.661 lb  |
| <b>Weight, net</b>    | 250 g   0.551 lb  |

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>                                                          |
|---------------|--------------------------------------------------------------------------------|
| CHINA-ROHS    | Above maximum concentration value                                              |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| ROHS          | Compliant/Exempted                                                             |
| UK-ROHS       | Compliant/Exempted                                                             |

