

# CT-8-TUW-NI6



8 dB, Tapper, 340 – 6000 MHz

## Product Classification

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

## General Specifications

|                       |                |
|-----------------------|----------------|
| Device Type           | Tapper         |
| Application           | Indoor/Outdoor |
| Color                 | White          |
| Inner Contact Plating | Silver         |
| Interface             | N Female       |
| Outer Contact Plating | Trimetal       |

## Dimensions

|        |                   |
|--------|-------------------|
| Height | 25 mm   0.984 in  |
| Width  | 43 mm   1.693 in  |
| Length | 141 mm   5.551 in |

## Electrical Specifications

|                                  |   |
|----------------------------------|---|
| 3rd Order IMD                    | -163 dBc  |
| 3rd Order IMD Test Method        | Two +43 dBm carriers  |
| Insertion Loss at Frequency Band | 1.1 dB @ 1695–2700 MHz   1.1 dB @ 340–960 MHz   1.15 dB @ 3500–4500 MHz   1.15 dB @ 4900–6000 MHz   |
| Return Loss at Frequency Band    | 19.1 dB @ 3500–4500 MHz   19.1 dB @ 4900–6000 MHz   20.8 dB @ 1695–2700 MHz   20.8 dB @ 340–960 MHz   |
| Average Power, maximum           | 200 W   |
| Coupling                         | 8 dB  |
| Coupling Tolerance               | +0.1/-1.1dB @ 4900-6000 MHz   +0.15/-1dB @ 1695-2700 MHz   +0/-0.8dB @ 380-520 MHz   +0/-1.3dB @ 340-380 MHz   +0/-1.5dB @ 3500-4500 MHz   ±0.4dB @ 698-960 MHz |

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

## Mechanical Specifications

|                           |                        |
|---------------------------|------------------------|
| Coupling Nut Proof Torque | 4.5 N-m   39.828 in lb |
|---------------------------|------------------------|

## Environmental Specifications

|                                |                                      |
|--------------------------------|--------------------------------------|
| Operating Temperature          | -35 °C to +85 °C (-31 °F to +185 °F) |
| Relative Humidity              | Up to 100%                           |
| Corrosion Test Method          | IEC 60068-2-11, 30 days              |
| Ingress Protection Test Method | IEC 60529:2001, IP67                 |

## Packaging and Weights

|                |                    |
|----------------|--------------------|
| Height, packed | 40 mm   1.575 in   |
| Width, packed  | 90 mm   3.543 in   |
| Length, packed | 180 mm   7.087 in  |
| Weight, gross  | 0.3 kg   0.661 lb  |
| Weight, net    | 0.25 kg   0.551 lb |

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| 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   |

