

# CT-20-TUW-43-16

20 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>	0.2 dB @ 1695–2700 MHz   0.2 dB @ 340–960 MHz   0.3 dB @ 3500-4500 MHz   0.3 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>	20 dB
<b>Coupling Tolerance</b>	+0.4/-1.1 dB @ 1695-2700 MHz   +1.2/-0.8 dB @ 3500-4500 MHz   ±0.8 dB @ 380-520

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MHz |  $\pm 0.8\text{dB}$  @ 698–960 MHz |  $\pm 1.0\text{dB}$  @ 340–380 MHz |  $\pm 1.5\text{dB}$  @ 4900–6000 MHz

<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
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## 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	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

