

# CA-TNMDM



Type N Male to 7-16 DIN Male Adapter

**OBSOLETE**

**Replaced By:**

TA-NMDM      Type N Male to 7-16 DIN Male Low-PIM Adapter

## Product Classification

**Product Type**      Adapter

## General Specifications

**Body Style**      Straight

**Inner Contact Plating**      Silver

**Interface**      N Male

**Interface 2**      7-16 DIN Male

**Mounting Angle**      Straight

**Outer Contact Plating**      Trimetal

**Pressurizable**      No

## Dimensions

**Width**      34.6 mm | 1.362 in

**Length**      42.73 mm | 1.682 in

**Diameter**      34.6 mm | 1.362 in

## Electrical Specifications

**Average Power at Frequency**      600.0 W @ 900 MHz

**Connector Impedance**      50 ohm

**dc Test Voltage**      2500 V

**Inner Contact Resistance, maximum**      1.5 mOhm

**Insulation Resistance, minimum**      5000 MOhm

# CA-TNMDM

<b>Operating Frequency Band</b>	0 – 6000 MHz
<b>Outer Contact Resistance, maximum</b>	0.4 mOhm
<b>Peak Power, maximum</b>	10 kW
<b>RF Operating Voltage, maximum (vrms)</b>	707 V

## VSWR/Return Loss

<b>Frequency Band</b>	<b>VSWR</b>	<b>Return Loss (dB)</b>
<b>0–3000 MHz</b>	1.041	33.94
<b>3000–6000 MHz</b>	1.119	25.01

## Mechanical Specifications

<b>Coupling Nut Proof Torque</b>	1.7 N-m   15.046 in lb
<b>Coupling Nut Proof Torque Method</b>	IEC 61169-16:9.3.6
<b>Coupling Nut Retention Force</b>	450 N   101.164 lbf
<b>Coupling Nut Retention Force Method</b>	IEC 61169-16:9.3.11
<b>Insertion Force</b>	200 N   44.962 lbf
<b>Insertion Force Method</b>	IEC 61169-16:9.3.5
<b>Interface Durability</b>	500 cycles
<b>Interface Durability Method</b>	IEC 61169-16:9.5   IEC 61169-4:17
<b>Mechanical Shock Test Method</b>	IEC 60068-2-27

## Environmental Specifications

<b>Operating Temperature</b>	-55 °C to +85 °C (-67 °F to +185 °F)
<b>Storage Temperature</b>	-65 °C to +125 °C (-85 °F to +257 °F)
<b>Attenuation, Ambient Temperature</b>	20 °C   68 °F
<b>Average Power, Ambient Temperature</b>	40 °C   104 °F
<b>Average Power, Inner Conductor Temperature</b>	100 °C   212 °F
<b>Climatic Sequence Test Method</b>	IEC 60068-1
<b>Corrosion Test Method</b>	IEC 60068-2-11
<b>Damp Heat Steady State Test Method</b>	IEC 60068-2-3
<b>Immersion Depth</b>	1 m
<b>Immersion Test Mating</b>	Mated
<b>Immersion Test Method</b>	IEC 60529:2001, IP68

# CA-TNMDM

Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

## Packaging and Weights

Weight, net	115.79 g   0.255 lb
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## Regulatory Compliance/Certifications

Agency	Classification
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.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant/Exempted



## \* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours
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