

# CA-TNMDM

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Type N Male to 7-16 DIN Male 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  
**Operating Frequency Band** 0 – 6000 MHz  
**Outer Contact Resistance, maximum** 0.4 mOhm  
**Peak Power, maximum** 10 kW  
**RF Operating Voltage, maximum (vrms)** 707 V

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## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.041	33.94
3000–6000 MHz	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
<b>Thermal Shock Test Method</b>	IEC 60068-2-14
<b>Vibration Test Method</b>	IEC 60068-2-6

## Packaging and Weights

# CA-TNMDM

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**Weight, net**

115.79 g | 0.255 lb

## 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 [www.andrew.com/ProductCompliance](http://www.andrew.com/ProductCompliance)

ROHS

Compliant

UK-ROHS

Compliant/Exempted



## \* Footnotes

**Immersion Depth**

Immersion at specified depth for 24 hours