



CA-TNFDF

Type N Female to 7-16 DIN Female Adapter

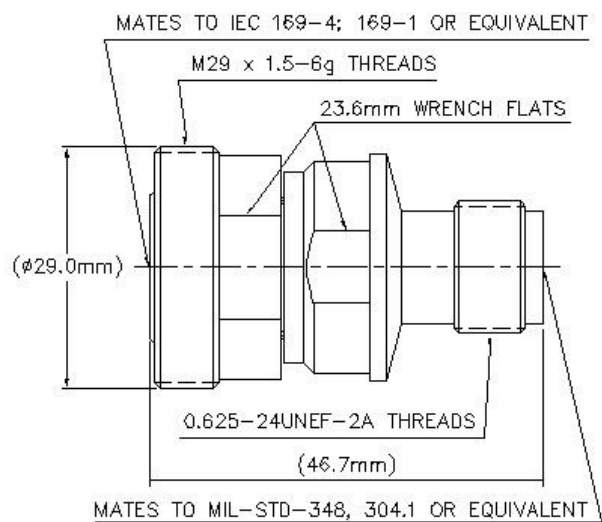
## General Specifications

Product Type	Adapter
Interface	N Female
Interface 2	7-16 DIN Female
Body Style	Straight
Mounting Angle	Straight

## Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 6000 MHz
RF Operating Voltage, maximum (vrms)	707.00 V
dc Test Voltage	2500 V
Outer Contact Resistance, maximum	0.40 mOhm
Inner Contact Resistance, maximum	1.50 mOhm
Insulation Resistance, minimum	5000 MOhm
Average Power	600.0 W @ 900 MHz
Peak Power, maximum	10.00 kW

## Outline Drawing



## Mechanical Specifications

Inner Contact Plating	Silver
Insertion Force	200.00 N   44.96 lbf
Insertion Force Method	IEC 61169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5   IEC 61169-4:17
Outer Contact Plating	Trimetal
Pressurizable	No

## Dimensions

Diameter	23.62 mm   0.93 in
Length	46.74 mm   1.84 in
Weight	113.00 g   0.25 lb
Width	23.62 mm   0.93 in

## Environmental Specifications

Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Mechanical Shock Test Method	IEC 60068-2-27
Climatic Sequence Test Method	IEC 60068-1
Damp Heat Steady State Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Corrosion Test Method	IEC 60068-2-11

## Standard Conditions

CA-TNFD

Attenuation, Ambient Temperature 20 °C | 68 °F  
Average Power, Ambient Temperature 40 °C | 104 °F  
Average Power, Inner Conductor Temperature 100 °C | 212 °F

## Return Loss/VSWR

Frequency Band	VSWR	Return Loss (dB)
0-3000 MHz	1.03	38.17
3000-6000 MHz	1.07	29.07

## Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
China RoHS SJ/T 11364-2006	Above Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

