



Type N Male to SMA Female Adapter

Product Classification

Product Type Adapter

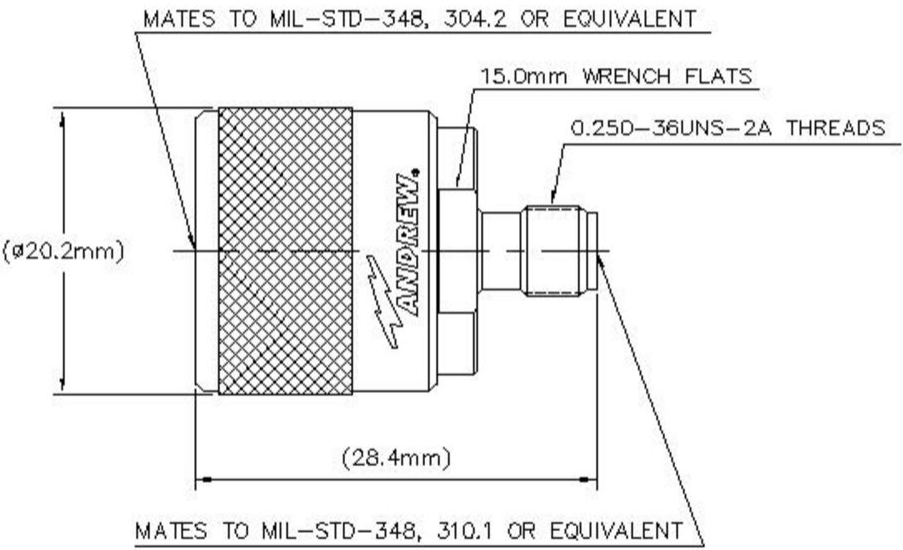
General Specifications

Body Style	Straight
Inner Contact Plating	Gold
Interface	N Male
Interface 2	SMA Female
Mounting Angle	Straight
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Width	20.24 mm 0.797 in
Length	28.42 mm 1.119 in
Diameter	20.24 mm 0.797 in

Outline Drawing



Electrical Specifications

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power at Frequency	100.0 W @ 900 MHz
Connector Impedance	50 ohm
dc Test Voltage	1000 V
Inner Contact Resistance, maximum	3 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	2.5 mOhm
Peak Power, maximum	5 kW
RF Operating Voltage, maximum (vrms)	500 V

CA-NMSF

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.053	31.77
3000–6000 MHz	1.091	27.23

Mechanical Specifications

Coupling Nut Proof Torque	1.7 N-m 15.046 in lb
Coupling Nut Proof Torque Method	IEC 61169-16:9.3.6
Coupling Nut Retention Force	450 N 101.164 lbf
Coupling Nut Retention Force Method	IEC 61169-16:9.3.11
Insertion Force	28 N 6.295 lbf
Insertion Force Method	IEC 61169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-15:9.5 IEC 61169-16:9.5
Mechanical Shock Test Method	IEC 60068-2-27

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)
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F
Climatic Sequence Test Method	IEC 60068-1
Corrosion Test Method	IEC 60068-2-11
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

Packaging and Weights

Weight, net	30.77 g 0.068 lb
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

