300PNR-C-NC

Type N Male Right Angle for CNT-300 and 5D-FB braided cable

OBSOLETE

This product was discontinued on: July 17, 2018

Replaced By:

300BPNR-C-G	Type N Male Right Angle for CNT-300 braided cable

Product Classification

Product Type	Braided cable connector
Product Brand	CNT®

General Specifications

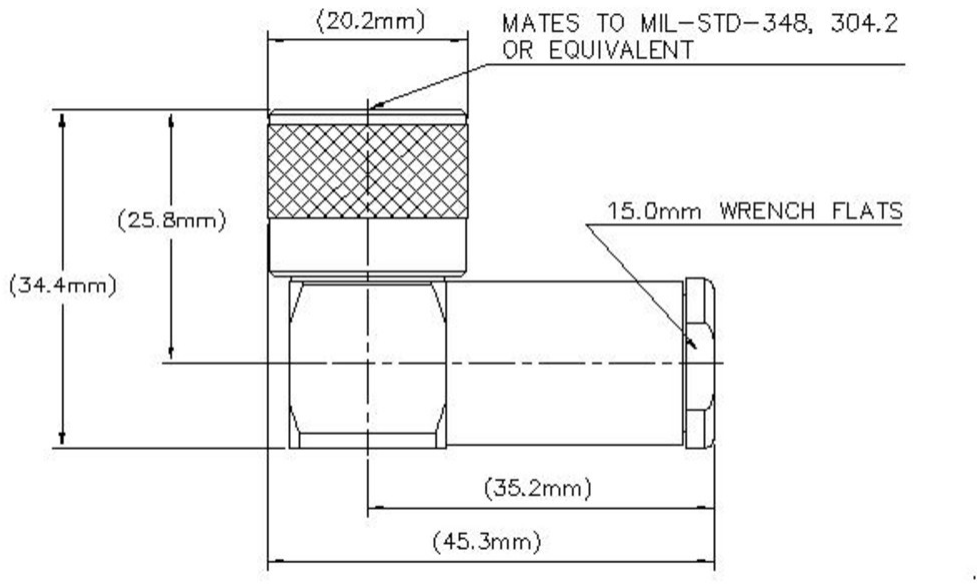
Body Style	Right angle
Inner Contact Attachment Method	Captivated
Inner Contact Plating	Gold
Interface	N Male
Outer Contact Attachment Method	Clamp
Outer Contact Plating	Trimetal

Dimensions

Height	34.41 mm | 1.355 in
Width	20.24 mm | 0.797 in
Length	45.27 mm | 1.782 in
Nominal Size	0.300 in

Outline Drawing

300PNR-C-NC



Electrical Specifications

Insertion Loss, typical	0.05 dB
Average Power at Frequency	360.0 W @ 900 MHz
Cable Impedance	50 ohm
Connector Impedance	50 ohm
dc Test Voltage	2000 V
Inner Contact Resistance, maximum	1 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	0.25 mOhm
Peak Power, maximum	10 kW
RF Operating Voltage, maximum (vrms)	707 V
Shielding Effectiveness	90 dB

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–960 MHz	1.02	40.09
960–1000 MHz	1.025	38.17
1000–2000 MHz	1.106	25.97

2000–6000 MHz	1.671	12

Mechanical Specifications

Connector Retention Tensile Force	220 N | 49.458 lbf
Connector Retention Torque	0.45 N-m | 3.983 in lb
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
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-16:9.5
Mechanical Shock Test Method	IEC 60068-2-27

Environmental Specifications

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Attenuation, Ambient Temperature	20 °C | 68 °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
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	90.42 g | 0.199 lb

Regulatory Compliance/Certifications

Agency	**Classification**
CHINA-ROHS	Below maximum concentration value

300PNR-C-NC

ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

* Footnotes

Insertion Loss, typical	0.05√freq (GHz) (not applicable for elliptical waveguide)
Immersion Depth	Immersion at specified depth for 24 hours