### Type N Male Right Angle for 3/8 in EFX2-50 cable

#### OBSOLETE

Replaced By:

L2TNR-PL

Type N Male Right Angle Positive Lock for 3/8 in LDF2-50 cable

### Product Classification

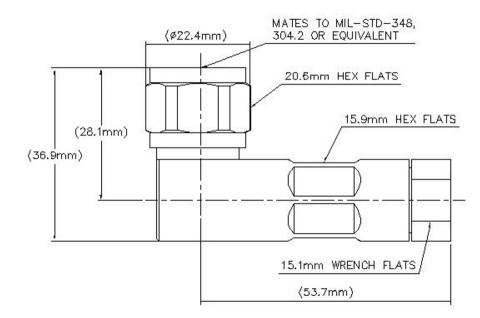
Product Type	Wireless and radiating connector	
General Specifications		
Body Style	Right angle	
Cable Family	EFX2-50	
Inner Contact Attachment Method	Captivated	
Inner Contact Plating	Gold	
Interface	N Male	
Mounting Angle	Right angle	
Outer Contact Attachment Method	Self-flare	
Outer Contact Plating	Silver	
Pressurizable	No	
Dimensions		
Height	37.59 mm   1.48 in	
Width	20.57 mm   0.81 in	
Length	61.21 mm   2.41 in	
Right Angle Length	61.21 mm   2.41 in	
Diameter	20.57 mm   0.81 in	
Nominal Size	3/8 in	

# Outline Drawing

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# **Electrical Specifications**

3rd Order IMD Test MethodTwo +43 dBm carriersAverage Power at Frequency0.7 kW @ 900 MHzCable Impedance50 ohmConnector Impedance50 ohmdc Test Voltage2500 VInner Contact Resistance, maximum1 mOhmOperating Frequency Band0 - 6000 MHzOuter Contact Resistance, maximum0.25 mOhmPeak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 VShielding Effectiveness10 dB	3rd Order IMD at Frequency	-112 dBm @ 910 MHz
Cable Impedance50 ohmConnector Impedance50 ohmdc Test Voltage2500 VInner Contact Resistance, maximum1 mOhmInsulation Resistance, minimum5000 MOhmOperating Frequency Band0 - 6000 MHzOuter Contact Resistance, maximum0.25 mOhmPeak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 V	3rd Order IMD Test Method	Two +43 dBm carriers
Connector Impedance50 ohmdc Test Voltage2500 VInner Contact Resistance, maximum1 mOhmInsulation Resistance, minimum5000 MOhmOperating Frequency Band0 - 6000 MHzOuter Contact Resistance, maximum0.25 mOhmPeak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 V	Average Power at Frequency	0.7 kW @ 900 MHz
dc Test Voltage2500 VInner Contact Resistance, maximum1 mOhmInsulation Resistance, minimum5000 MOhmOperating Frequency Band0 - 6000 MHzOuter Contact Resistance, maximum0.25 mOhmPeak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 V	Cable Impedance	50 ohm
Inner Contact Resistance, maximum1 mOhmInsulation Resistance, minimum5000 MOhmOperating Frequency Band0 - 6000 MHzOuter Contact Resistance, maximum0.25 mOhmPeak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 V	Connector Impedance	50 ohm
Insulation Resistance, minimum5000 MOhmOperating Frequency Band0 - 6000 MHzOuter Contact Resistance, maximum0.25 mOhmPeak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 V	dc Test Voltage	2500 V
Operating Frequency Band0 - 6000 MHzOuter Contact Resistance, maximum0.25 mOhmPeak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 V	Inner Contact Resistance, maximum	1 m0hm
Outer Contact Resistance, maximum0.25 mOhmPeak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 V	Insulation Resistance, minimum	5000 MOhm
Peak Power, maximum10 kWRF Operating Voltage, maximum (vrms)707 V	Operating Frequency Band	0 – 6000 MHz
RF Operating Voltage, maximum (vrms) 707 V	Outer Contact Resistance, maximum	0.25 mOhm
	Peak Power, maximum	10 kW
Shielding Effectiveness -110 dB	RF Operating Voltage, maximum (vrms)	707 V
	Shielding Effectiveness	-110 dB

# VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
824–2700 MHz	1.03	40
3000–6000 MHz	1.18	22

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# E2PNR-HC

## Mechanical Specifications

Connector Retention Tensile Force	671.68 N   151 lbf
Connector Retention Torque	2.7 N-m   23.897 in lb
Coupling Nut Proof Torque	1.7 N-m   15.046 in lb
Coupling Nut Proof Torque Method	IEC 61169-16:9.3.11
Coupling Nut Retention Force	445 N   100.04 lbf
Coupling Nut Retention Force Method	IEC 61169-16:9.3.11
Insertion Force	124.55 N   28 lbf
Insertion Force Method	IEC 61169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 61169-4:17
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)
Attenuation, Ambient Temperature	20 °C   68 °F
Average Power, Ambient Temperature	40 °C   104 °F
Average Power, Inner Conductor Temperature	100 °C   212 °F
Corrosion Test Method	IEC 60068-2-11
Immersion Depth	1 m
Immersion Test Mating	Mated
Immersion Test Method	IEC 60529:2001, IP68
Moisture Resistance Test Method	IEC 60068-2-3
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6
Packaging and Weights	

### Packaging and Weights

Weight, net

144 g | 0.317 lb

### \* Footnotes

**Immersion Depth** 

Immersion at specified depth for 24 hours

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