TA-XFNF

NEX10 Female to N Female Low-PIM Adapter

Product Classification

Product Type	Adapter
Product Brand	HELIAX®

General Specifications

Body Style	Straight
Inner Contact Plating	Silver
Interface	NEX10 Female
Interface 2	N Female
Outer Contact Plating	Trimetal

Dimensions

Length	35 mm | 1.378 in
Diameter	15.88 mm | 0.625 in

Electrical Specifications

3rd Order IMD at Frequency	-119 dBm @ 1800 MHz
3rd Order IMD Test Method	Two +43 dBm carriers
Connector Impedance	50 ohm
dc Test Voltage	1000 V
Inner Contact Resistance, maximum	2 mOhm
Insulation Resistance, minimum	5000 MOhm
Operating Frequency Band	0 – 6000 MHz
Outer Contact Resistance, maximum	1 mOhm

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.065	30
3000–6000 MHz	1.083	28

Mechanical Specifications

Interface Durability	100 cycles

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
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	20.76 g | 0.046 lb

* Footnotes

Immersion Depth	Immersion at specified depth for 24 hours