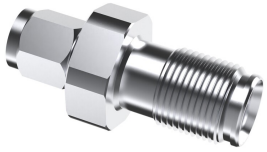
TA-XFSM



NEX10 Female to SMA Male Adapter

Product Classification

Product Type	Adapter

General Specifications

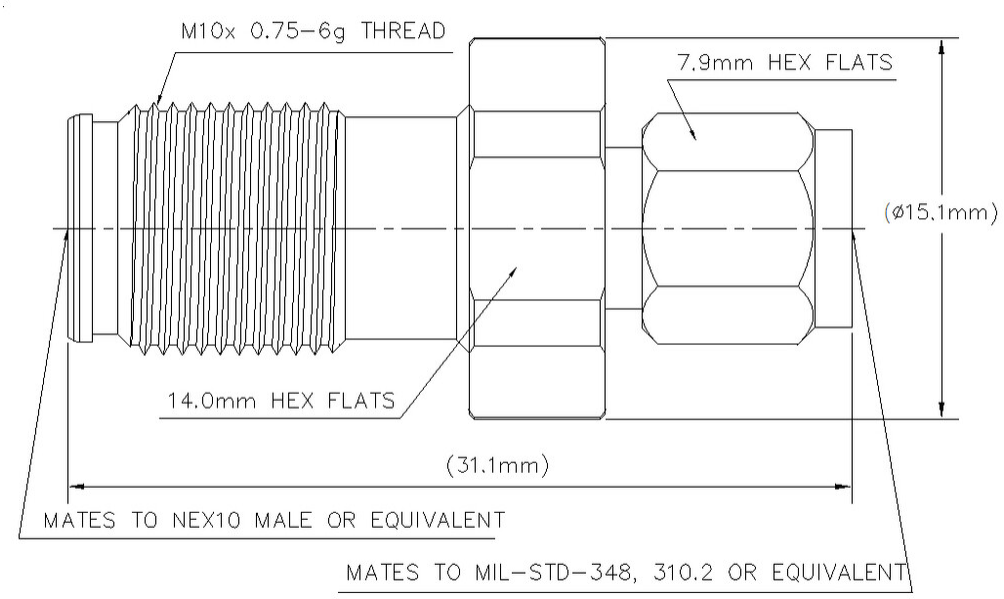
Body Style	Straight
Inner Contact Plating	Silver
Interface	NEX10 Female
Interface 2	SMA Male
Mounting Angle	Straight
Outer Contact Plating	Trimetal
Pressurizable	No

Dimensions

Length	31.1 mm | 1.224 in
Diameter	15.1 mm | 0.594 in

Outline Drawing

TA-XFSM



Electrical Specifications

Average Power at Frequency	100.0 W @ 900 MHz
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
RF Operating Voltage, maximum (vrms)	1000 V

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–3000 MHz	1.052	32
3000–6000 MHz	1.083	28

Mechanical Specifications

Insertion Force	22 N | 4.946 lbf

TA-XFSM

Insertion Force Method	IEC 61169-15:9.3.5
Interface Durability	100 cycles
Interface Durability Method	IEC 61169-15:9.5
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)
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
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Packaging and Weights

Weight, net	14.77 g | 0.033 lb