

Introduction

The SMA Slide-On Plug is designed to fill the need of components and systems manufacturers, for a reliable, fast method of testing.

They completely eliminate the need for torquing and yet provide absolutely comparable electrical performance with no wear and tear on threads of unit under test.

These units mate with standard SMA jack connectors.

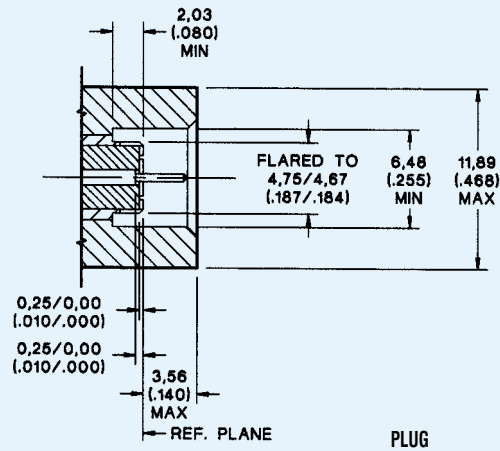


Specifications

ELECTRICAL	Impedance	50 Ω nominal
	Frequency Range	0 to 18.0 GHz
	Insulation Resistance	5000 M Ω minimum
	Contact Resistance	Center contact: 3.0 m Ω maximum. Outer contact: 3.0 m Ω maximum
	Contact Current Rating	2.0 A dc maximum
	Insertion Loss	.03 $\sqrt{\text{freq.}}$ GHz tested at 6 GHz
	RF Leakage	-55 dB min. @ 2-3 GHz
Voltage Standing Wave Ratio (VSWR)		Straight: 1.05 + .005F Right Angle: 1.05 + .01F
MECHANICAL	Materials	Body, Body Components: Non-magnetic stainless steel and beryllium copper. Female Contacts: Beryllium copper. Insulators: PTFE. Crimp Ferrule: Annealed copper alloy. Gaskets: Silicone rubber
	Finish/Plating	Center Contacts: Gold Plated. Other Metal Parts: Gold plated or passivated to meet the finish and corrosion requirements of MIL-C-39012
	Engagement Forces	8.9 N (2 lbs.) nominal
	Contact Torque	0.03 Nm (4 in. ozs.) minimum. (Captivated contacts)
	Contact Retention	Unless otherwise specified, all connectors feature captivated contacts. When captivated the contacts will withstand 26.7 N (6 lbs.) minimum axial force.
ENVIRONMENTAL	Operating Temperature	-65° C to 125° C
	Salt Spray	MIL-STD-202, Method 101, test condition B, 5% salt solution
	Vibration, High Frequency	MIL-STD-202, Method 204, test condition D (20 G's)
	Shock	MIL-STD-202, Method 213, test condition I, (100 G's)
	Thermal Shock	MIL-STD-202, Method 107, test condition B except high temperature shall be 85°C.
	Moisture Resistance	MIL-STD-202, Method 106. No measurements at high humidity. Insulation resistance shall be 200 M Ω minimum within five minutes after removal from humidity.
GENERAL	Connector Durability	500 matings minimum

SMA s/o

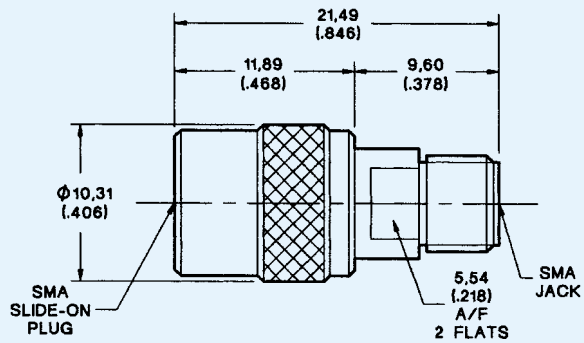
Mating Interface



Adaptors

SMA Slide-On Plug to SMA Standard Jack Adaptor - Straight

Part Number
050-674-6324990



SMA Slide-On Plug to SMA Standard Jack Adaptor - Right Angle

Part Number
050-678-6324990

