

GigaLane Adapter Data Sheet



SMP (M) to 2.92mm (F) Adapter

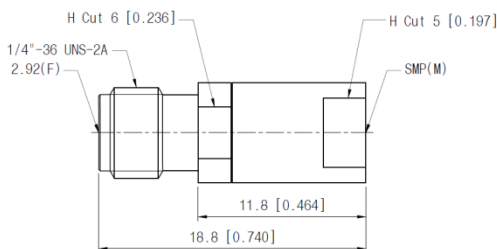


Technical Data

Electrical Data	Impedance	50 Ohm
	Frequency range	DC to 40 GHz
	Dielectric withstanding voltage	500 Vrms at sea level 125 Vrms at 70,000 ft
	Insulation resistance (min)	5,000 megaohms
	Contact resistance (max)	Center conductor 6.0 milliohms Outer conductor 2.0 milliohms
	RF leakage	-70 dB at 3 GHz
	VSWR (DC to 18 GHz)	1.2 :1 typical
	VSWR (18 to 40 GHz)	1.3 :1 typical
Mechanical Data	Radial misalignment	+/- 0.25 mm
	Axial misalignment	0 ~ 0.25 mm
	Center to center spacing (min)	4.32 mm
Material Data	Center contact & socket	BeCu with Gold Plated
	Insulator	PTFE, Engineering Plastic
	Shroud & body	Stainless Steel
Environmental Testing	Temperature range	-40 ~ +125 °C
	Vibration	MIL-STD-202 method 204, test condition D
	Shock	MIL-STD-202 method 223, test condition I
	Thermal shock	MIL-STD-202 method 107, test condition B

Mechanical Force for Shrouds		Full Detent	Limited Detent	Smooth Bore
	Force to engage (max)	6.8 kg	4.5 kg	0.9 kg
	Force to disengage (min)	2.3 kg	0.9 kg	0.2 kg
	Durability cycle (min)	100	500	1,000

Outline Drawing



Unit : mm [inch]

Part Number

Part No.	Mechanical Force for Shrouds
PMS-ADP-KFS-F1	Full Detent
PMS-ADP-KFS-L1	Limited Detent
PMS-ADP-KFS-S1	Smooth Bore