

# GigaLane Adapter Data Sheet



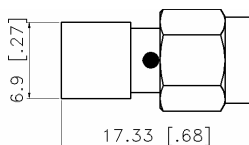
## BMA (F) to SMA (M) Adapter



### Technical Data

Electrical Data	Impedance		50 Ohm	
	Frequency range		DC to 22 GHz	
	Dielectric withstanding voltage		1,000 Vrms at sea level	
	Insulation resistance (min)		5,000 megaohms	
	Contact resistance (max)		Center conductor 6.0 milliohms Outer conductor 2.0 milliohms	
	RF leakage (fully mated)		-90 dB @ 22 GHz	
	VSWR	DC to 18 GHz	1.2 :1 typical	(* Performance listed is typical for the GigaLane BMA male to male part number MMS-ADP-MMS-01. Performance on other configurations may vary.)
18 to 22 GHz		1.3 :1 typical		
Mechanical Data	Engagement force		1.5 kg	
	Disengagement force		0.2 kg	
	Radial misalignment		+/- 0.5 mm	
	Axial misalignment		0 ~ 1.5 mm	
Material Data	Body		Stainless Steel or Brass	
	Collet		Beryllium copper	
	Insulator		PTFE	
	Center contact		Beryllium copper or Brass	
	Spring		Stainless Steel	
Environmental Testing	Temperature range		-65 ~ +125 °C	
	Vibration		MIL-STD-202 method 204, test condition D	
	Shock		MIL-STD-202 method 213, test condition I	
	Thermal shock		MIL-STD-202 method 107, test condition B	

### Outline Drawing



Unit : mm [inch]

### Part Number

Part No. **MFS-ADP-SMS-01**