



# SMB

## specification sheet

Electrical characteristics		
Impedance		50 $\Omega$
Maximum frequency		4 GHz
Working voltage	RG178	250 V <sub>RMS</sub> max.
	RG316, 0.085"	335 V <sub>RMS</sub> max.
Dielectric withstanding voltage	RG178	750 V <sub>RMS</sub> min.
	RG316, 0.085"	1000 V <sub>RMS</sub> min.
VSWR	Straight	1.3 max.
	Right angle	1.5 max.
Contact resistance	Centre contact	6 m $\Omega$ max.
	Outer contact	2.5 m $\Omega$ max.
Insulator resistance		1000 M $\Omega$ min.

Materials		
Part name	Material	Finish
Body, metal parts	Brass per QQ-B-626	Gold 3 $\mu$ "
Centre contact	Male	Brass per QQ-B-626
	Female	Beryllium copper per QQ-C-530
Insulator	Teflon	None
Crimp ferrule	Annealed brass	Gold 3 $\mu$ "

**Note:** Other materials or finishes may be available on request

Mechanical & environmental characteristics	
Engagement force	14 lbs max.
Disengagement force	14 lbs max.
Contact retention	4 lbs min.
Durability (mating cycles)	500 cycles min.
Temperature range	-65 °C to 165 °C
Vibration	MIL-STD-202 method 204 test cond. B
Salt spray	MIL-STD-202 method 101 test cond. B
Thermal shock	MIL-STD-202 method 107 test cond. B