SMP
specification sheet

Electrical characteristics			
Impedance			50 Ω
Maximum frequency	Bullet adaptor (6.45 mm long)		40 GHz
	Straight, semi-rigid		40 GHz
	Right angle, semi-rigid; end-launch; in-series adaptors		18 GHz
	PCB mount		12 GHz
Working voltage			335 V_{RMS} max.
Dielectric withstanding voltage			500 V_{RMS} min.
VSWR	Bullet adaptor (6.45 mm long)	0 GHz to 26.5 GHz	1.3 max.
		26.5 GHz to 40 GHz	1.5 max.
	Straight, semi-rigid	0 GHz to 18 GHz	1.2 max.
		18 GHz to 26.5 GHz	1.35 max.
		26.5 GHz to 40 GHz	1.7 max.
	Right angle, semi-rigid	0 GHz to 18 GHz	1.2 max.
	In-series adaptors	0 GHz to 4 GHz	1.1 max.
		4 GHz to 12 GHz	1.15 max.
		12 GHz to 18 GHz	1.2 max.
Contact resistance	Centre contact		6 mΩ max.
	Outer contact		2 mΩ max.
Insulator resistance			5000 MΩ min.
Insertion loss	In-series adaptors		0.1 √F dB max. / 10 GHz

Materials			
Part name		**Material**	**Finish**
Body, metal parts		Brass per QQ-B-626	Gold 3 µ"
Centre contact	Male	Brass per QQ-B-626	Gold 30 µ"
	Female	Beryllium copper per QQ-C-530	Gold 30 µ"
Insulator		Teflon	None
Crimp ferrule		Annealed brass	Gold 3 µ"

Note: Other materials or finishes may be available on request

SMP
specification sheet

Mechanical & environmental characteristics		
Engagement force	Full detent	68 N max.
	Limited detent	45 N max.
	Smooth bore	9 N max.
Disengagement force	Full detent	22 N max.
	Limited detent	9 N max.
	Smooth bore	2.2 N max.
Contact retention		7 N min.
Durability (mating cycles)	Full detent	100 cycles min.
	Limited detent	500 cycles min.
	Smooth bore	1000 cycles min.
Temperature range		-65˚C to 155˚C
Vibration		MIL-STD-202 method 204 test cond. B
Thermal shock		MIL-STD-202 method 107 test cond. B
Moisture resistance		MIL-STD-202 method 106
Mechanical shock		MIL-STD-202 method 213 test cond. A