



TNC

specification sheet

Electrical characteristics			
Impedance	50 Ω	75 Ω	
Maximum frequency	10 GHz	1 GHz	
Working voltage	500 V _{RMS} max.	500 V _{RMS} max.	
Dielectric withstanding voltage	1500 V _{RMS} min.	1500 V _{RMS} min.	
VSWR	Straight	1.3 max.	1.3 max.
	Right angle	1.5 max.	1.5 max.
Contact resistance	Centre contact	3 m Ω max.	3 m Ω max.
	Outer contact	2 m Ω max.	2 m Ω max.
Insulator resistance	5000 M Ω min.	5000 M Ω min.	

Materials			
Part name	Material	Finish	
Body, metal parts	Brass per QQ-B-626	Nickel 70 μ "	
Centre contact	Male	Brass per QQ-B-626	Gold 3 μ "
	Female	Phosphor bronze per QQ-B-750	Gold 3 μ "
Insulator	Teflon, Delrin	None	
Crimp ferrule	Annealed brass	Nickel 70 μ "	
Clamp gasket	Silicone rubber	None	

Note: Other materials or finishes may be available on request

Mechanical & environmental characteristics	
Engagement force	2 in-lbs max.
Disengagement force	2 in-lbs max.
Coupling nut retention	100 lbs min.
Coupling proof torque	15 in-lbs. min.
Contact retention	6 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

* For beryllium copper female contact only

** For teflon insulator only