N 75Ω

CHARACTERISTICS

TEST / CHARACTERISTICS	STANDARD REFERENCE	VALUES / REMARKS

ELECTRICAL CHARACTERISTICS

Impedance	-	75Ω		
Frequency Range	-	DC - 1.5 GHz		
Typical V.S.W.R. **• Cable 6/75** **• Cable 10+11/75**	- -	1.06 1.10		
Insertion Loss **• Straight Connector** **• Right-Angle Connector**	MIL	< 0.15 dB		
RF Leakage	MIL	- 90 dB min at 1 GHz		
Insulation Resistance	MIL	5000 MΩ min		
Contact Resistance **• Center Contact** **• Outer Contact**	MIL	Initial 1 mΩ 0.2 mΩ	After Tests 1.5 mΩ -	
Working Voltage in VRMS **At Sea Level (At 70,000 feet)**	CECC	Cable 10+11/75: Cable 6/75:	1400 850	(400) (250)
Dielectric Withstanding Voltage in VRMS **At Sea Level (At 70,000 feet)**	CECC	Cable 10+11/75: Cable 6/75:	2500 1500	(600) (350)
RF Testing Voltage Sea Level	CECC	1500 VRMS (5 MHz Sine Wave)		

MECHANICAL CHARACTERISTICS

Durability	CECC	500 Matings
Engagement and Separation Torque	CECC	6.6 Ncm max (.58 Inch-pounds)
Recommended Coupling Nut Torque	CECC	40 to 60 Ncm (Manual) 130 Ncm (11.45 inch pounds) (with Pliers R282 202 000)
Proof Torque	CECC	170 Ncm (14.96 inch pounds)
Coupling Nut Retention Force	CECC	450 N (101.25 Lbs)
Cable Retention Force **• Cable 6/75** **• Cable 10+11/75**	CECC	200 N 300 N
Center Contact Retention Force Axial	MIL	27 N (6.08 Lbs)

ENVIRONMENTAL CHARACTERISTICS

Temperature Range	CECC	- 55 °C + 155 °C
Thermo Cycling Test	CECC	- 55 °C / + 155 °C / 21 j
Thermal Shock	CECC	- 40 °C / + 155 °C or - 40 °C / + 85 °C – 5 Cycles
High Temperature Test	CECC	125 °C/1000 H
Corrosion Salt Spray	CECC	48 H
Vibration	CECC	Sinus 10g/10 – 500 Hz
Shock	CECC	1/2 Sinus 50g/11 ms
Moisture Resistance **• Clamp Type** **• Crimp Type**	IEC 529	IP 67 IP 65 (with Heatshrink Sleeve)
Hermetic Test	CECC	10^{-5} bar. cm^3/s
Leakage	CECC	Differential Pressure 100 to 110 KPa: 1 bar cm^3 / H

MATERIALS

Body (Nut) / Center Male Contact / Outer Contact)	Brass
Center Female Contact	Treated Beryllium Copper
Ferrule	Brass
Insulator	PTFE
Gasket	Silicone Elastomer

PLATING

Body	BBR
Coupling Nut / Design	BBR / Cross Knurled
Center Contacts	Gold
Outer Contacts / Design	BBR / Slotted

Notes
Standard packaging = 50 pieces