



TYPE	REV	REVISIONS DESCRIPTION	DATE	BY
-	A	EQG 21196	04.16.08	DKN

P/N	CCSF

**MATERIAL:**  
 Body & Coupling Nut:  
 303 sst per ASTM A-582.  
 Center Conductor & Retaining Ring:  
 BeCu alloy per ASTM B-196.  
 Dielectric:  
 PTFE per ASTM D-1710.  
 Gasket:  
 Silicone Rubber per A-A-595BB.

**ELECTRICAL:**  
 Impedance: 50 Ohms nominal.  
 Frequency Range: DC to 18GHz.  
 VSWR: 1.25:1 max to 18GHz.  
 Insertion Loss: .15 dB max to 18GHz.  
 Working Voltage: 500Vrms @ Sea Level  
 125Vrms @ 70,000 ft.  
 Dielectric Withstand Voltage: 2500 Vrms  
 RF Hipot Withstand Voltage: 1500 Vrms  
 Corona Level: 500 Vrms Min.  
 Insulation Resistance: 5000 Megaohms  
 Contact Resistance:  
 Center Conductor: 2.5 mOhms MAX  
 Outer Conductor: 0.2 mOhms MAX  
 Permeability: Less than 2.0 MU  
 R.F. Leakage:  
 -90 dB min from 2 to 3 GHz.

**MECHANICAL:**  
 Mating Characteristics:  
 Interface per Mil-Std-348.  
 Center Contact Retention:  
 Axial Force: 6 pounds min.  
 Connector Durability:  
 500 cycles min @ 12 cycles/minute max.  
 Coupling Proof Torque:  
 15 pounds min.  
 Coupling Mechanism Retention Force:  
 100 lbs min.

**ENVIRONMENTAL:**  
 Temperature Range: -65°C to +165°C.  
 Moisture Resistance:  
 Mil-Std-202, Method 1D5, Insulation resistance at least 200 MegOhms within 5 minutes after removal from humidity.  
 Corrosion:  
 Mil-Std-202, Method 1D1, Test Cond. B.  
 Vibration:  
 Mil-Std-202, Method 2D4, Test Cond. B.  
 Shock:  
 Mil-Std-202, Method 213, Test Cond. I.

APPLICABLE TENSOLITE DOCUMENTS		TOLERANCES AND NOTES EXCEPT AS NOTED	
WORK STD	FREQ INST	ASSY INST	
NA	NA	NA	1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO BE HOLD TO ± .005 IN.
			2. HOLE ALL GRP EXC 400 & 405 IN.
			3. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO BE HOLD TO ± .005 IN.
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