



ZONE	REV.	REVISIONS	DATE	BY
-	A	ECO 21063	03.10.08	DKN

5191

F/N
CC
CCCE
CCSF
CCCESF

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:																																												
<p>Body: 303 sst per ASTM A-582. Center Conductor: BeCu alloy per ASTM B-196. Insulator: PTFE per ASTM D-1710. Epoxy: Sigma Vary Flex Type HV. Conductive Epoxy: Ableband 16-1.</p>	<p>Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.10 + .008 x f(GHz). Insertion Loss: .06V (GHz). Working Voltage: 335 Vrms max @ sea level. Dielectric Withstanding Voltage: 1000 Vrms min @ 5MHz. R.F. HfPot Voltage: 670 Vrms min @ 5MHz. Corona Level: 250 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. R.F. Leakage: -(60 - fGHz) dB Contact Resistance: Center Contact: Initial environment: 3.0 Milliohm max. After environment: 4.0 Milliohm max. Outer Contact: Initial environment: 2.0 Milliohm max. After environment: NA</p>	<p>Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Torque: 2 inch-pounds max. Longitudinal Force: NA. Center Contact Retention: Axial Force: 6 pounds min. Connector Durability: 500 cycles min @ 12 cycles/minute max. Permeability: Less than 2.0 mu. Center Cavitation: Axial: 6 lbs max. Radial: 4 inch-ounce max.</p>	<p>Temperature Range: -65° to +165°. Thermal Shock: Mil-Std-202, Method 107, Test Cond. B. Moisture Resistance: Mil-Std-202, Method 106, No measurements at high humidity. Insulation resistance shall be at least 200 MegOhms within 5 minutes after removal from humidity. Corrosion: Mil-Std-202, Method 101, Test Cond. B. Vibration: Mil-Std-202, Method 204, Test Cond. D. Shock: Mil-Std-202, Method 213, Test Cond. I.</p>																																												
<p>FINISH: Body & Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.</p>																																															
<p>APPLICABLE TENSOLITE DOCUMENTS</p> <table border="1"> <thead> <tr> <th>WORK STD</th> <th>PROD INST</th> <th>ASSY INST</th> </tr> </thead> <tbody> <tr> <td>NA</td> <td>NA</td> <td>NA</td> </tr> </tbody> </table> <p>NOTICE</p> <p>THE DRAWING IS THE PROPERTY OF TENSOLITE. IT IS TO BE USED ONLY FOR THE PROJECT AND QUANTITY SPECIFIED THEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF TENSOLITE, ANY UNAUTHORIZED USE OF THIS DRAWING IS PROHIBITED.</p>				WORK STD	PROD INST	ASSY INST	NA	NA	NA																																						
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