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SMB

PART NUMBER: B51-328-3188220

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|-------------------------------------|---|
| Product Family | RF |
| Product Group | RF - SMB |
| Market Application | Military, Industrial |
| Component Type | 90° Plugs |
| Gender | Plug |
| Mounting Style | 90° |
| Coaxial Cable Type | RG174/U, RG316/U |
| Engagement (Insertion) Force | Initial = 62 N (14 lbs.) maximum engagement. |
| Packaging Type | Each |
| Plating | Center contact: Gold. Other metal parts: Gold to meet the finish and corrosion requirements of MIL-C-39012. |
| Product Description | 90° Crimp Plug |
| Cable Retention | When properly assembled to the compatible braided coaxial cable, the retention is equal to the breaking strength of the cable. |
| Connector Durability | 500 mating cycles minimum |
| Contact Current Rating | 1.5 A DC maximum |
| Corrosion (salt spray) | MIL-STD-202, Method 101, test condition B, 5% salt solution |
| Insertion Loss | 0.25 dB maximum @ 4 GHz |
| Insulation Resistance | 1000 M ohms minimum |
| Locknut Torque | 0.56 to 0.64 Nm (80 to 90 in. oz.) |
| Moisture Resistance | MIL-STD-202. Method 106, when interface gasket is used. No measurement at high humidity. Insulation resistance shall be 200 M ohms minimum within five minutes after removal from humidity. |
| RF Leakage | -55 dB minimum @ 2-3 GHz |
| Shock | MIL-STD-202, Method 213, Test Condition B, 75 G` s at 6 milliseconds 1/2 sine. |
| Temperature Rating | -65°C to 165°C |
| Thermal Shock | MIL-STD-202, Method 107, Test Condition B, except high temperature shall be 85°C. High temperature shall be 200°C for connectors using 200°C cables. |
| Vibration, High Frequency | MIL-STD-202, Method 204, Test Condition B (15 G` s) |

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| Impedance | 50 ohms |
| Frequency Range 1 | 0 to 4.0 GHz |
| Contact Resistance | Center contact = 6.0 m ohms maximum initial. 8.0 m ohms maximum after environment. Outer contact = 1.0 m ohms maximum initial. 1.5 m ohms maximum after environment. Braid to body = 1.0 m ohms maximum |
| Engagement Design | MIL-C-39012, Series SMB |
| Material | Body, body components and male contacts: Brass, half hard. Female contacts: Beryllium copper, heat treated. Insulators: PTFE. Lockwashers: Phosphor bronze. Crimp ferrule: Annealed copper alloy. Gaskets: Silicone rubber. |
| Contact Retention | Unless specified otherwise, all connectors feature captivated contacts. When captivated the contacts will withstand 17,8 N (4.0 lbs.) minimum axial force. CECC 2213 = 10 N (2.25 lbs.). |
| Assembly Instructions | BAI-015 |
| For more information | Please Contact Cannon Sales Department . |
| Footnote | Dimension are shown in mm (inch). Dimensions subject to change. |
| Note | SMB connectors have solder center contacts. |

