

SPECIFICATION

EFORM
CCABLE
ZCORPORATION

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DATE

6/5/00

REV.

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TITLE

EZ QuickSnap Plug

1.0 SCOPE

This specification defines the design of the EZ QuickSnap coaxial push-on plug connector.

2.0 MECHANICAL

Materials:

Center Contact, Beryllium copper per ASTM-B-196, gold plated per MIL-G-45204
Insulator, PTFE Teflon per ASTM-D-1710
Body, Stainless Steel per ASTM-A-582 Type 303, gold plated per MIL-G-45204
Gasket, Silicone Rubber ZZ-R-765
Locking and Snap Rings, Beryllium copper per ASTM-B-196, nickel plated per QQ-N-290

Interface:

SMA Plug per MIL-PRF-39012

Force to Engage and Disengage:

Locking Ring retracted, 10 pounds longitudinal maximum
Locking Ring engaged, 30 pounds longitudinal minimum
Mating Torque not applicable

Connector Durability:

500 mating cycles minimum

3.0 ELECTRICAL

Characteristic Impedance: 50 ohms nominal
Frequency Range: 0 to 20 GHz
Insulation Resistance: 5000 megohms minimum
Dielectric Withstanding Voltage: 1000 VRMS
Voltage Rating: 335 VRMS
Maximum VSWR: $1.07 + 0.01 * F(\text{GHz})$
Maximum Insertion Loss: $0.05 * \sqrt{F(\text{GHz})}$ dB

PREPARED AND APPROVED BY :

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