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HOUSING CAP

STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303

GOLD PLATE PER ASTM-B-488

COUPLING NUT

STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303

PASSIVATE PER ASTM-A380

DIELECTRIC

TFE FLUOROCARBON PER ASTM-D-1457

N/A

CENTER CONTACT

BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H

GOLD PLATE PER ASTM-B-488

RETAINING RING

BERYLLIUM COPPER PER ASTM B 194, ALLOY C17200, CONDITION H

N/A

GASKET

SILICONE RUBBER PER ZZ-R-765

N/A

COMPONENT

MATERIAL

FINISH

DESIGNED FOR USE WITH Ø.085 [2.15] SR CABLE CABLE ENTRY DIAMETER MINIMUM

HOUSING .0875 [2.222]

CONTACT .023 [0.58]

ELECTRICAL

MECHANICAL

ENVIRONMENTAL

Nominal Impedance (Ohms) 50

Frequency Range (GHz) D.C. TO 26

Volt Rating @ Sea Level (VRMS) 250

@ 70,000 Feet (VRMS) 60

VSWR 1.15 + .015 f(GHz)

Insertion Loss .04√fGHz

RF Leakage -[60 - f(GHz)] db MAX

Corona, 70,000 Ft (VRMS MIN) 190

Dielectric Withstanding Voltage (VRMS) 750

Contact Resistance (Milliohms MAX)

Center Contact 4.0

Outer Contact 2.0

Cable To Housing (Milliohms MAX) 0.5

RF High Potential (VRMS MIN @ 5 MHz) 500

I.R.(Megohms) 5000

Interface Dimensions MIL-STD-348A

FIG. 319.1

Recoended Mating

Torque (In-Lbs) 7-8

Force to Engage and

Disengage (In-Lbs MAX) 2.0

Center Contact Captivation

Axial (Lbs MIN) N/A

Radial(In-Øz MIN) N/A

Coupling Nut Retention

Torque (In-Lbs MIN) 60

Cable Retention

Axial Force (Lbs) 30 MIN

Torque (In-Øz) 16 MIN

Weight (Grams) TBD

TEMPERATURE RATING -55°C TO +165°C

Vibration - MIL-STD-202, Method 204, Condition D

Shock - MIL-STD-202, Method 213, Condition I

Thermal shock MIL-STD-202, Method 107 Test Condition B

EXCEPT HIGH TEMP +85°C

Moisture Resistance - MIL-STD-202, Method 106

Corrosion - MIL-STD-202, Method 101, Condition B

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LOC -

DIST -

REVISIONS

P LTR

DESCRIPTION

DATE

DWN

APVD

B

REV PER ECO 15-008664

7-13-15

CT

WM

REF PLANE

.550 [14.0] REF

.338 [8.6] REF

.250 [6.4] HEX

OSSM PLUG

.205±.010 [5.21±0.25]

.330 [8.4] REF

Ø.120 [3.0]

.460 [11.7] REF

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DWN 13JUL2015 C.C.THOMAS

CHK 7-13-15 W.MOYER

APVD 7-13-15 W.MOYER

PRODUCT SPEC

APPLICATION SPEC

408-04792

WEIGHT -

CUSTOMER DRAWING

SCALE 8:1

SHEET 1 of 1

REV B

SIZE A2

CAGE CODE 00779

DRAWING NO C=1045423

RESTRICTED TO -

TE Connectivity

OSSM RIGHT ANGLE CABLE PLUG

DIRECT SOLDER ATTACHMENT

1471-9 (3/11)