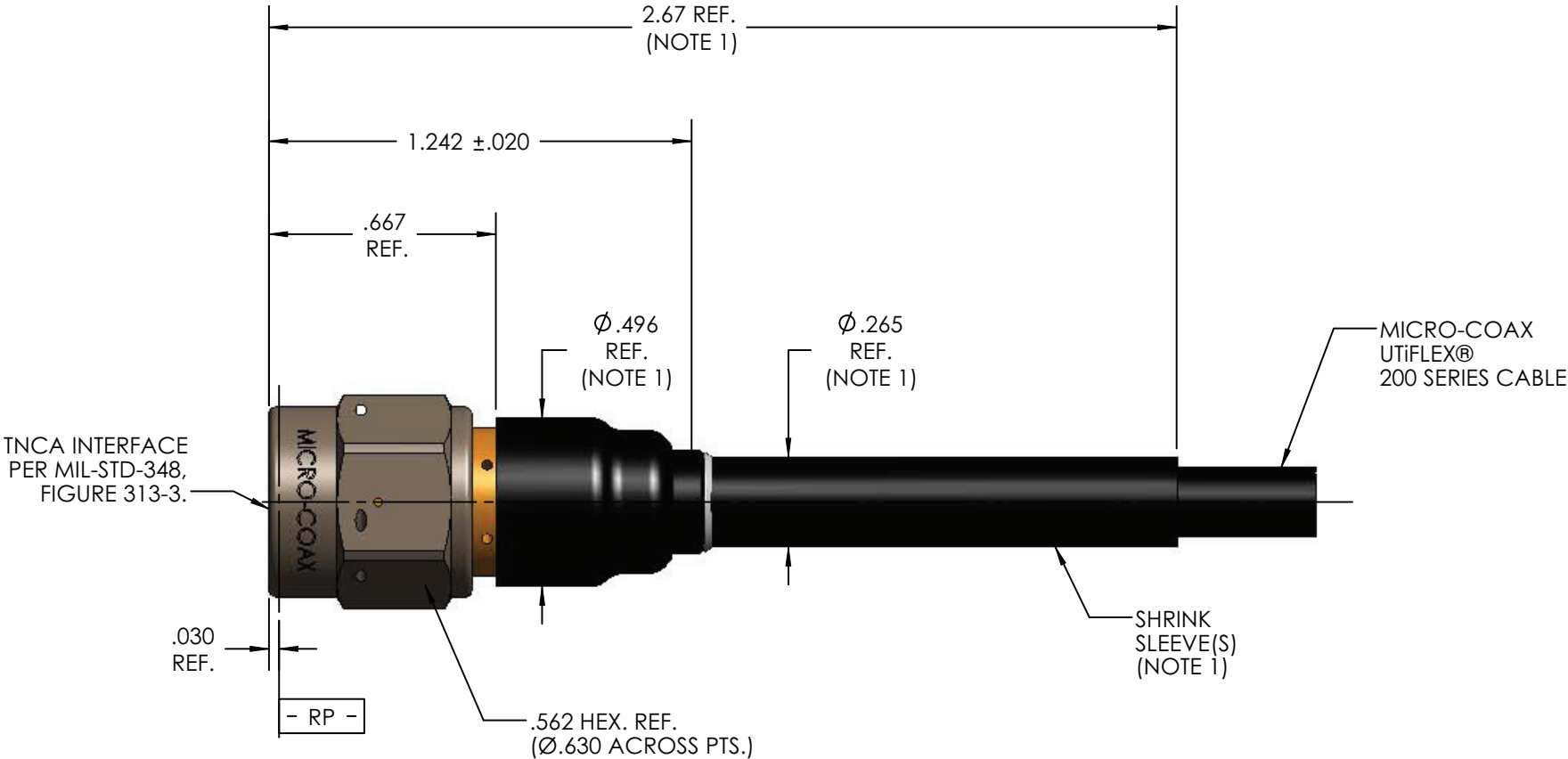


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 313-3
SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	9 IN-LBS NOM.
COUPLING PROOF TORQUE	1.5 IN-LBS. MIN.
COUPLING NUT RETENTION	60 IN-LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	20 LBS. MIN.
MASS	14.69 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.15:1 MAX.
12.4 GHz - 18 GHz	1.20:1 MAX.
INSERTION LOSS	0.04 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-80 dB
CORONA	375 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1000 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C TO 150°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
COUPLING NUT	ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625
CLAMP NUT	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
CONTACT, CONTACT RING, BODY	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER TRI-M3M , OVER COPPER PLATE PER MIL-C-14550
INSULATOR, DIELECTRIC STOP	UTLEM (1000) PER ASTM-D-5205
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197
GASKET	ELECTRICALLY CONDUCTIVE SILCONE PER MIL-G-83528
APPLICATION	
CABLE(S)	205 SERIES
INSTALLATION	PER CONFIGURATOR

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ISOMETRIC VIEW
NO SCALE



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

REV.	DESCRIPTION	DATE	BY	APPVD
1	PRELIMINARY RELEASE	11/28/2005	JMK	RS
2	REVISE COUPLING NUT MATERIAL SPEC	3/18/2009	MJM	RS
3	ECO 95746	2/16/2010	NDS	RS

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TOLERANCES UNLESS OTHERWISE SPECIFIED

.XX	± .02
.XXX	± .005
.XXXX	± .0010
ANGLES	± 2°

INITIALS	DATE
DWN. JMK	11/28/05
CHKD. NDS	6/15/09
APPVD.	

TITLE

TNCA PLUG, HIGH POWER, ANTI-MULTIPACTION, SAFETY WIRES, VENT HOLES, 205X

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.

FSCM NO.

64639

SIZE

B

SCALE

2:1

SHEET NO.

1 OF 1

DRAWING NO.

SD903121

REV

3

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SPECIFICATION DRAWING