

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 326-2
FORCE TO ENGAGE	15 LBS. MAX. (FULL DETENT)
FORCE TO DISENGAGE	5 LBS. MIN. (FULL DETENT)
DURABILITY	1000 CYCLES MIN.
CABLE RETENTION	2 LBS. MIN.
MASS	TBS oz. NOM.
CONTACT CAPTIVATION	3.0 LBS. MIN. (BOTH DIRECTIONS)

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	40 GHz.
VSWR DC - 20 GHz	1.15:1 MAX.
20 - 26.5 GHz	1.20:1 MAX.
26.5 - 40 GHz	1.70:1 MAX.
INSERTION LOSS	0.06 \sqrt{F} (GHz) dB
DIELECTRIC WITHSTANDING VOLTAGE	250 V _{rms} MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 GHz.	-80 dB
3 - 26.5 GHz.	-65 dB
CORONA	95 V _{rms} MIN. @ 70,000 FEET
RF HIGH POTENTIAL	170 V _{rms} MAX.
CONTACT RESISTANCE (INNER)	6.0 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
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106 (NO VIBRATION)
COROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

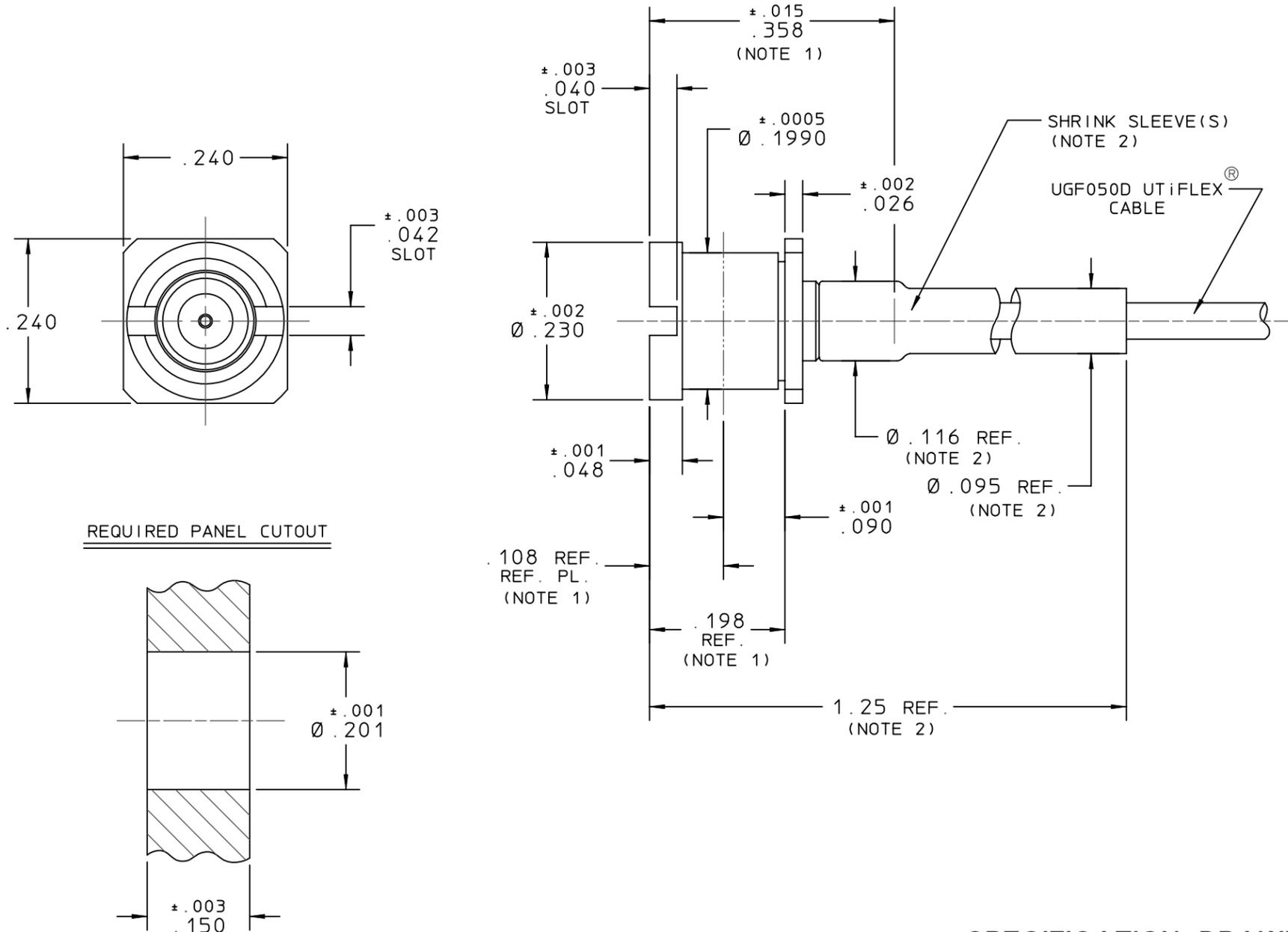
MATERIAL AND FINISH	
MAIN BODY & SHROUD	STEEL, CORROSION RESISTANT, CONDITION A, NON-MAGNETIC PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
CENTER CONTACT & BACK BODY	BeCu, UNS C17300 PER ASTM-B-196, GOLD PLATE 50 MICROINCHES MIN. PER MIL-G-45204 OVER 50 MICROINCHES MIN. OF NICKEL PLATE PER QQ-N-290
INSULATOR(S)	POLYPHENYLENE SULFIDE (PPS), UNFILLED

APPLICATION	
CABLE(S)	UGF050D
INSTALLATION	A1 - (TBS)

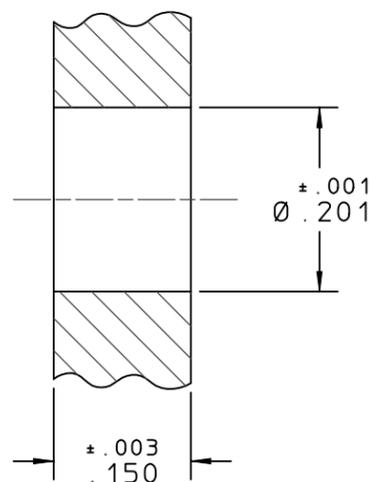
NOTES:

- INDICATED DIMENSIONS APPLY WITH REQUIRED PANEL THICKNESS.
- MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

REV.	DESCRIPTION	DATE	BY	APPVD.
A	INITIAL RELEASE	05/19/05	SRS	MJK
A1	ECO 55761	10/20/05	JMK	RS
B	ECO 65319	08/01/06	MJM	RS



REQUIRED PANEL CUTOUT



SPECIFICATION DRAWING

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	DWN. MJK	07/28/03					
	CHKD.						
	APPVD.						
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE SMP MALE (PIN), UGF050D, BULKHEAD, SQUARE FLANGE, FULL DETENT						
.XX ± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B11-1989.						
.XXX ± .005							
.XXXX ± .0010							
ANGLES ± 2°							
FSCM NO. 64639	SIZE B	SCALE 5:1	SHEET NO. 1 OF 1	DRAWING NO. SD903907	REV. B		