

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 326-2
FORCE TO ENGAGE	2 LBS. MAX. (SMOOTH BORE)
FORCE TO DISENGAGE	0.5 LBS. MIN. (SMOOTH BORE)
DURABILITY	1000 CYCLES MIN.
CABLE RETENTION	2 LBS. MIN.
MASS	0.75 grams NOM.
CONTACT CAPTIVATION	3.0 LBS. MIN. (BOTH DIRECTIONS)

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	26.5 GHz.
VSWR DC - 20 GHz	1.15:1 MAX.
20 - 26.5 GHz	1.20:1 MAX.
INSERTION LOSS	0.06 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	250 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 GHz.	-80 dB
3 - 26.5 GHz.	-65 dB
CORONA	95 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	170 Vrms. MAX.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

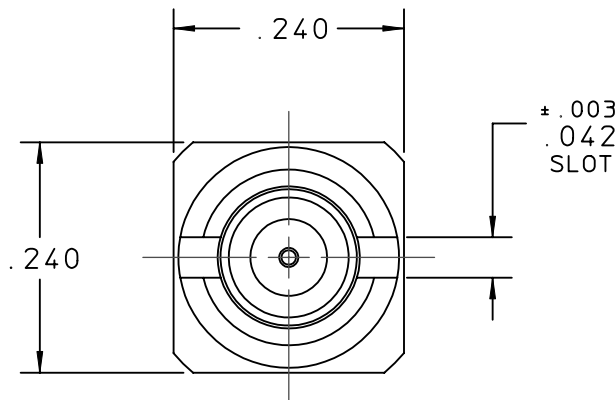
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C to +150°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106 (NO VIBRATION)
COROSION	MIL-STD-202, 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) PER ASTM-D-4067

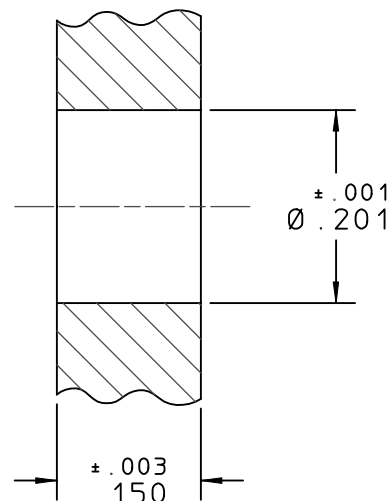
APPLICATION	
CABLE (S)	UGF065D
INSTALLATION	PER CONFIGURATOR

NOTES :

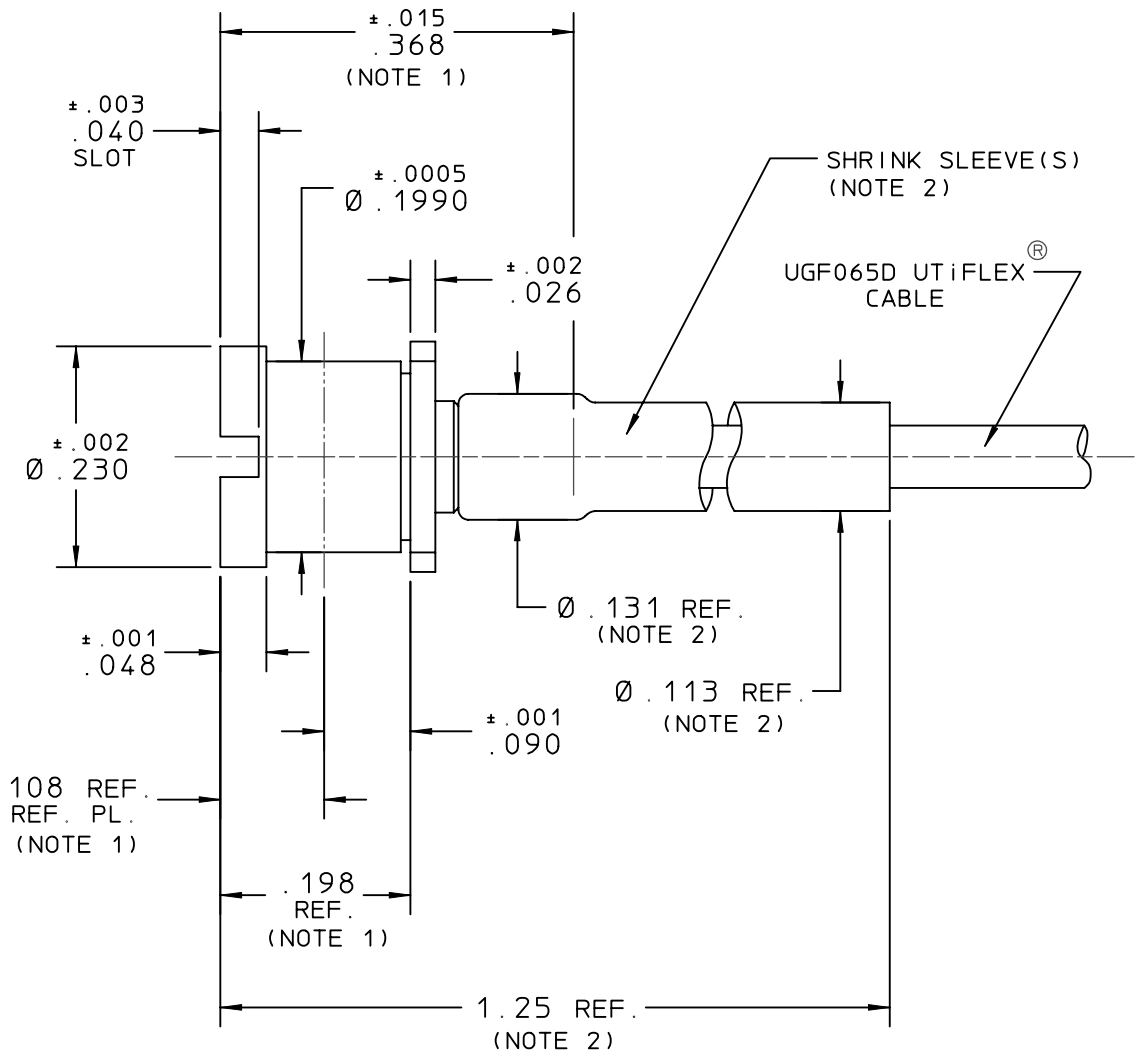
1. INDICATED DIMENSIONS APPLY WITH REQUIRED PANEL THICKNESS.
2. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



REQUIRED PANEL CUTOUT



REV.	DESCRIPTION	DATE	BY	APPVD.
A	PRODUCTION RELEASE	02/26/04	MJK	MJK
B	ECO 45197	04/23/04	JMK	MJK
B1	ECO 55760	10/20/05	JMK	RS
C	ECO 65319	08/01/06	MJM	RS



SPECIFICATION DRAWING

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		DWN. MJK		01/07/03					
		CHKD.							
		APPVD.							
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE SMP MALE (PIN), UGF065D, BULKHEAD, SQUARE FLANGE, SMOOTH BORE							
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B11-1989.		FSCM NO. 64639	SIZE B	SCALE 5:1	SHEET NO. 1 OF 1	DRAWING NO. SD903832	REV C
.XXX	± .005								
.XXXX	± .0010								
ANGLES	± 2°								