

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348
FORCE TO ENGAGE	15.0 LBS. MAX. (FULL DETENT)
FORCE TO DISENGAGE	5.0 LBS. MIN. (FULL DETENT)
DURABILITY	100 CYCLES MIN.
CABLE RETENTION	8 LBS. MIN.
MASS	.25 GRAMS NOM.
AXIAL CONTACT RETENTION	3.0 LBS. MIN. (BOTH DIRECTIONS)
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	40 GHz
VSWR DC - 18 GHz	1.15:1 MAX.
18 - 26.5 GHz	1.35:1 MAX.
26.5 - 40 GHz	TBS
INSERTION LOSS	0.06 √F(GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 GHz.	-80 dB
3 - 26.5 GHz.	-65 dB
CORONA	190 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	325 Vrms. MAX.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C to +165°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	
HOUSING CENTER CONTACT ANTI-ROCK RING EMI SHIELD RING	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)
APPLICATION	
CABLE(S)	UGF070D
INSTALLATION	PER CONFIGURATOR

REV.	DESCRIPTION	DATE	BY	APPVD.
A	INITIAL RELEASE	04/19/05	SRS	MJK
A1	ECO 55761	10/20/05	JMK	RS
B	ECO 65319	08/01/06	MJM	RS

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REF.

UFF070D CABLE
UTIFLEX® SERIES

SPECIFICATION DRAWING

INITIALS		DATE	MICRO-COAX Leading the way in transmission line solutions. Copyright Micro-Coax, Inc.
DWN.	PLM	01/30/04	
CHKD.			
APPVD.			

TITLE

SMP FEMALE (SOCKET), UGF070D CABLE

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B11-1989.

FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
64639	B	8:1	1 OF 1	SD904007	B