

DRAWING NO.	
C - 134-1018-031/040	
0	REVISIONS
ENGINEERING RELEASE	
1	9-22-98 R H N P 11-1-98 ECN 45843
CHANGED: 10/8/0 LBS MIN/MAX DISCENAGE WAS 5 LBS TYPICAL ***** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFICATION OR PART NUMBER ADDITION ONLY. *****	
1a	10-24-00 R H N P ECN 47375



1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-6 GHz
VSWR: 1.03:1.03 MAX (F IN GHz)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 10000 MEGOHM MIN
CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 5 MILLIOHM MAX, AFTER
 ENVIRONMENTAL 8 MILLIOHM MAX
 OUTER CONDUCTOR - GOLD PLATED INITIAL 1 MILLIOHM MAX, AFTER
 ENVIRONMENTAL 1.5 MILLIOHM MAX

Braid to Body - NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MINIMUM AT 70,000 FEET
INSERTION LOSS: 1.0dB MAX AT 1 GHz
RF LEAKAGE: -50 dB AT 2 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 700 VRMS AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE FORCE (MCX): 5.6 LBS MAX ENGAGEMENT
10.0/8.0 LBS MIN/MAX DISENGAGEMENT
ENGAGE/DISENGAGE TORQUE (SMA): 2 IN LBS MAX
MATING TORQUE ISMA: 7-10 IN LBS MAX
CONTACT RETENTION FORCE: 6 LBS MIN
CONTACT RETENTION TORQUE: NOT APPLICABLE
COUPLING NUT RETENTION ISMA: NOT APPLICABLE
CABLE ACCEPTABILITY: NOT APPLICABLE
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: NOT APPLICABLE
DURABILITY: 500 CYCLES MIN.

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-C-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION F
OPERATING TEMPERATURE: -55 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION B
VIBRATION: MIL-STD-202, METHOD 204, CONDITION B
MOISTURE: MIL-STD-202, METHOD 106

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY T.A.KARI		DATE 7-24-98		 289 Johnson Ave. P.O. Box 1732 Waseca, MN 56093-0832	
DECIMALS .XX	mm	CHECKED BY	DATE	TITLE ASSEMBLY, ADAPTER SMA JACK TO MCX PLUG, BETWEEN SERIES			
.XXX REF		APPROVED BY TAK	DATE 9-22-98				
MATL		APPROVED BY RJB	DATE 10-7-98				
FINISH		RELEASE DATE	11-11-98	CODE NO.	DRAWING NO.	C - 134-1018-031/040	
				SCALE 10:1	U/N INCH	SHEET 2 OF 2	