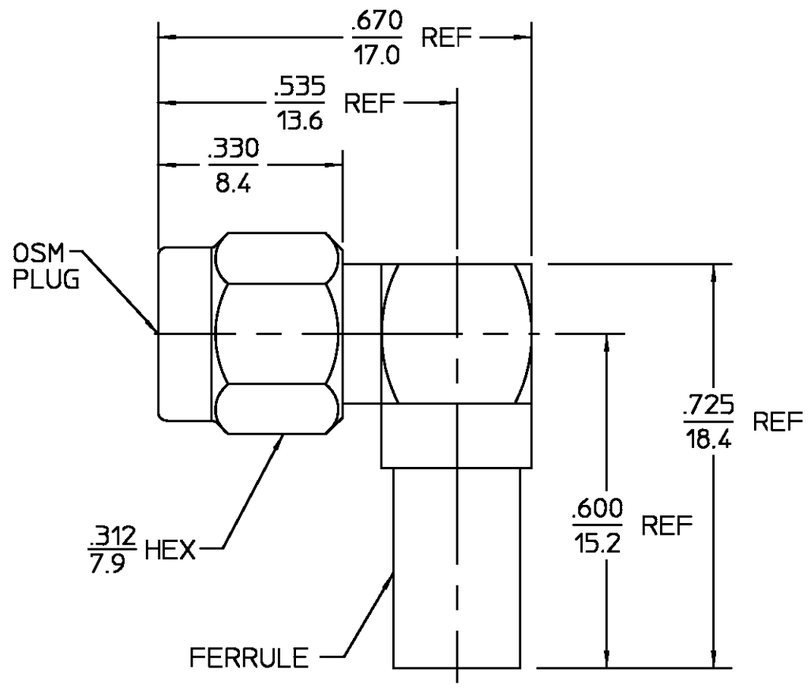

DESIGNED FOR USE WITH RG-174, 316/U	
CABLE ENTRY DIAMETER MINIMUM	
SLEEVE	.125
HOUSING	.066
CONTACT	.041 SLOT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01_0	RELEASED	3/31/99	

ELECTRICAL	
Nominal Impedance (Ohms)	50
Frequency Range (GHz)	DC to MAX Operating Frequency of Cable per MIL-C-17
Volt Rating (VRMS MAX) @ Sea Level	250
VSWR	1.18+.02f(GHz)
Insertion Loss (dB MAX)	$.07\sqrt{f(GHz)}$
RF Leakage (dB MIN)	-[60-f(GHz)]
Corona, 70,000 Ft (VRMS MIN)	190
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level	750
Contact Resistance (Milliohms MAX)	
Center Contact	3.0
Outer Contact	2.0
Cable to Housing	0.5
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz)	500
I.R.(Megohms MIN)	10,000

MECHANICAL	
Interface Dimensions MIL-STD-348A, Fig. 310.1	
Recommended Mating Torque	7-10 In-Lbs
Mating Characteristics:	
Insertion (MAX Lbs)	N/A
Withdrawal (MIN Oz)	N/A
Force to Engage and Disengage (In-Lbs MAX)	2.0
Center Contact Captivation	
Axial (Lbs)	6.0
Radial (In-Oz)	4.0
Cable Retention	
Axial Force (Lbs)	20 Min
Torque (In-Oz)	N/A
Weight (Grams)	4.2

ENVIRONMENTAL
Temperature Rating -65°C to +125°C
Vibration MIL-STD-202, Method 204, Condition D
Shock MIL-STD-202, Method 213, Condition I
Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +85°C
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray

.XXX = in
XX.X = mm (REF)

COMPONENT	MATERIAL	FINISH
HOUSING CAP COUPLING NUT	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE ON
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°

DRAWN BY PATLAN DATE 10-08-98
CHECKED BY
APP'D BY 3/31/99

USE ASS'Y PROCEDURE
408-04967
(20-520)
NO. A.P.

AMP
AMP Incorporated
140 Fourth Avenue
Waltham, MA 02451-7599

TITLE OSM RIGHT ANGLE CABLE PLUG CRIMP ATTACHMENT M39012/56-3112 CAT B

SIZE	CODE IDENT NO.		REV
B	26805	2037-8112-92	01_0
SCALE 4:1			SHEET 1 OF 1

CUSTOMER DRAWING

AMP PART # 1052187-1
SHEET 1 OF 1 REV A