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COMPONENT	MATERIAL	FINISH
HOUSING CLAMP NUT COUPLING NUT	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	PASSIVATED PER ASTM-A-380
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	---
CENTER CONTACT INNER SLEEVE	BRASS PER ASTM-B-16 HALF HARD	GOLD PLATED PER ASTM-B-488
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GASKET	SILICONE RUBBER PER ZZ-R-765	---
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RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194 ALLOY C17200, CONDITION H	---
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ENVIRONMENTAL	
TEMPERATURE RATING:	-65°C TO +165°C
VIBRATION:	MIL-STD-202, METHOD 204, CONDITION D
SHOCK:	MIL-STD-202, METHOD 213, CONDITION 1
MOISTURE RESISTANCE:	MIL-STD-202, METHOD 106
CORROSION:	MIL-STD-202, METHOD 101, CONDITION B. 5% SALT SPRAY
THERMAL SHOCK:	MIL-STD-202, METHOD 107, CONDITION B EXCEPT HIGH TEMP 115°C

MECHANICAL	
INTERFACE DIMENSIONS:	MIL-STD-348A FIG. 310.1
RECOMMENDED MATING TORQUE:	7-10 IN-LBS
FORCE TO ENGAGE & DISENGAGE (IN-LBS MAX):	2.0
WEIGHT (GRAMS):	TBD
MATING CHARACTERISTICS:	INSERTION (MAX LBS): N/A WITHDRAWAL (MIN OZ): N/A
CABLE RETENTION:	AXIAL FORCE (LBS): 30 MIN TORQUE (IN-OZ): 16.0
CENTER CONTACT CAPTIVATION:	AXIAL (LBS): 6.0 RADIAL (IN-OZ): N/A

ELECTRICAL	
NORMAL IMPEDANCE (OHMS):	50
FREQUENCY RANGE (GHz):	DC TO 18
VOLT RATING @ SEA LEVEL (VRMS MAX):	335
VSWR:	1.07+0.01f(GHz)
INSERTION LOSS: (dB MAX):	.03 $\sqrt{f(\text{GHz})}$
RF LEAKAGE (dB MIN):	-90 @ 2-3 GHz
CORONA 70,000 FT (VRMS MIN):	250
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN) AT SEA LEVEL:	1000
I.R. (MEGOHMS MIN):	5,000
RF HIGH POTENTIAL AT SEA LEVEL (VRMS MIN @ 5 MHz):	670
CONTACT RESISTANCE (MILLIOHMS MAX):	CENTER CONTACT: 3.0 OUTER CONTACT: 2.0 CABLE TO HOUSING: 0.5

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	XO	B	REV PER 0G3D-0490-02	11-02	JMK JL

AS SHIPPED TO CUSTOMER

ASSEMBLED VIEW

1  $\phi$ .018 [0.46] LOCKWIRE HOLE, 3 PLACES EQUALLY SPACED.

DESIGNED TO USE	
RG-405/U OR EQUIVALENT	
CABLE ENTRY DIAMETER MIN	
HOUSING:	N/A
CONTACT:	.021 [0.53]
CLAMP NUT:	N/A
SLEEVE:	.087 [2.21]
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DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
INCHES [mm]			
	0 PLC	±	-
	1 PLC	±	-
	2 PLC	±	-
	3 PLC	±	.005 [0.13]
	4 PLC	±	-
	ANGLES	±	-
MATERIAL		FINISH	
SEE TABLE		SEE TABLE	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN		9/25/02	
J. KAISER		J. KAISER		11-22-02	
J. LIPPERT		J. LIPPERT		11-22-02	
J. LIPPERT		J. LIPPERT		11-22-02	
APVD		APVD		11-22-02	
PRODUCT SPEC		PRODUCT SPEC		11-22-02	
APPLICATION SPEC		APPLICATION SPEC		11-22-02	
408-4918		408-4918		11-22-02	
WEIGHT		WEIGHT		TBD	
CUSTOMER DRAWING		CUSTOMER DRAWING		TBD	
SCALE		SCALE		5:1	
SHEET		SHEET		1 OF 1	
REV		REV		B	

1050781-1  
PART  
NO.

tyco		Tyco Electronics Corporation	
Harrisburg, PA 17105		Harrisburg, PA 17105	
NAME		NAME	
SMA STRAIGHT CABLE PLUG-SOLDER		SMA STRAIGHT CABLE PLUG-SOLDER	
CLAMP ATTACHMENT (M39012/79-3007) CAT E		CLAMP ATTACHMENT (M39012/79-3007) CAT E	

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	1050781	-

AMP 1471-9 REV 31MAR2000

MA/COM # 2001-8007-92

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