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RELEASED FOR PUBLICATION

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COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM A 582	PASSIVATE PER AMS QQ-P-35
DIELECTRIC	TEFLON PER ASTM D 1710	NONE
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196	GOLD PLATE PER ASTM B 488
CONTACT TAIL BUSHING	IRON-NICKEL-COBALT PER ASTM F 15 (KOVAR)	GOLD PLATE PER ASTM B 488
O-RING	FLOUROSILICONE PER MIL-R-25988	NONE
HERMETIC SEAL	GLASS BEAD	NONE
GASKET	STEEL PER SAE C12L14	SILVER PLATE PER ASTM B 700

PERFORMANCE CHARACTERISTICS

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
NOMINAL IMPEDANCE (OHMS): 50	INTERFACE DIMENSIONS: DESC SPEC 85072	TEMPERATURE RATING (°C): -65° TO +125°
FREQUENCY RANGE (GHz): DC-18	CENTER CONTACT CAPTIVATION (AXIAL, LBS MIN): 6	VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
VOLTAGE RATING (VRMS MAX @ SEA LEVEL): 375	HERMETIC SEAL (HELIUM AT 1 ATM): 1.0EE-8 CC/SEC	SHOCK: MIL-STD-202, METHOD 213, CONDITION I
VSWR: 1.04 + .009f (GHz)	APPROXIMATE WEIGHT (GRAMS): 1.5	THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
INSERTION LOSS (dB MAX): .05 X SQRT (f) (GHz)		MOISTURE RESISTANCE: MIL-STD-202, METHOD 106
RF LEAKAGE (dB MIN, FULLY MATED): -(90-f) (GHz)		CORROSION: MIL-STD-202, METHOD 101, CONDITION B
CORONA, 70000 FT (VRMS MIN): 335		
DIELECTRIC WITHSTANDING VOLTAGE (VRMS MIN @ SEA LEVEL): 1000		
CONTACT RESISTANCE (MILLIOHMS MAX): CENTER: 6.0 OUTER: 2.0		
RF HIGH POTENTIAL (VRMS MIN @ SEA LEVEL): 1000		
INSULATION RESISTANCE (MEGOHMS MIN): 5000		

LOC	DIST	REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN	APVD	
DF	X0	B	RELEASED PER ECO 08-15958	6-26-08	CT	BM

3.68 MIN
[.145]
FULL THREAD

Ø 5.54±0.02
[.218±.001]

1/4-36 UNS-2B
THREADS

6.86
[.270]
REF

Ø 1.68±0.02
[.066±.001]

1.02^{+0.05}_{-0.02}
[.040^{+.002}_{-.001}]

RECOMMENDED MOUNTING HOLE

10.9
[.429]

2.03
[.080]

1.02
[.040]

Ø 0.483
[.0190]

Ø 1.6±0.02
[.063±.001]

OSP
PLUG

O RING

METAL GASKET
(SHIPPED LOOSE)

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
mm[INCHES]			
	0 PLC	±-	
	1 PLC	±-	
	2 PLC	±.13 [.005]	
	3 PLC	±.013 [.0005]	
	4 PLC	±-	
ANGLES		±-	

MATERIAL	FINISH
SEE TABLE	SEE TABLE

DWN	CHK	APVD	PRODUCT SPEC	APPLICATION SPEC	WEIGHT	CUSTOMER DRAWING
B. MOYER	C. THOMAS	B. MOYER	-	408-8287	-	

Tyco Electronics		NAME		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
Harrisburg, PA 17105-3608		OSP PANEL FEEDTHRU PLUG RECEPTACLE, HERMETICALLY SEALED		A3	00779	1996467	-

SCALE	SHEET	OF	REV
5:1	1	1	B

AMP 1470-19 REV 31MAR2000

Pro/ENGINEER DRAWING