

4

3

2

1

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION N/A, N/A.

© COPYRIGHT N/A BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.

LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
DF	X0	0	RELEASED	2-3-05	CT RG

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A-484 OR ASTM-A-582 TYPE 303	GOLD PLATED PER ASTM-B-488
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	-
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197 ALLOY C17300, CONDITION H	GOLD PLATED PER ASTM-B-488
HERMETIC SEAL	GLASS BEAD	-
CONTACT EXTENSION	BRASS PER ASTM-B-16 HALF HARD	GOLD PLATED PER ASTM-B-488
"O"-RING	ETHYLENE PROPLENE PER ASTM-D2000-70	-

Dimensions (Inches [mm]):

- Top width: $.120^{+.005}_{-.000}$ [$3.05^{+0.13}_{-0.00}$]
- Top offset: $.320 \pm .003$ [8.13 ± 0.08]
- Top length: $.375$ [9.52]
- Top thickness: $.065$ [1.65]
- Inner diameter: $\phi .060 \pm .002$ [1.52 ± 0.05]
- Outer diameter: $\phi .161 \pm .001$ [4.09 ± 0.03]
- Inner diameter: $\phi .241$ [6.12]
- Bottom length: $.250-36$ UNS-2A
- Bottom offset: $.695$ REF [17.65]

Components: "O"-RING

Dimensions (Inches [mm]):

- Top width: $.340$ [8.64]
- Top offset: 2 PLC
- Inner diameter: $\phi .102$ [$\phi 2.59$]
- Inner offset: 4 PLC
- Bottom width: $.500$ [12.70]
- Bottom offset: SQUARE

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ω rms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. 310-2	TEMPERATURE RATING <u>-65 TO +165°C</u>
Frequency Range (GHz) DC to <u>12.0</u>	Recommended Mating Torque <u>7-10 IN-LBS</u>	Vibration MIL-STD-202, Method 204, Condition B
Volt Rating (VRMS MAX) @ Sea Level <u>335</u>	Mating Characteristics:	Shock MIL-STD-202, Method 213, Condition - Acceleration 200G
VSWR <u>1.05 +.005f(GHz)</u> @ Dc TO 12 GHz	Insertion (MAX Lbs) <u>3.0</u>	Thermal Shock MIL-STD-202, Method 107, Condition B,
Insertion Loss (dB MAX) <u>N/A</u>	Withdrawal (MIN Ω) <u>1.0</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) <u>N/A</u>	Force to Engage and Disengage (In-Lbs MAX) <u>10.0</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) <u>250</u>	Center Contact Captivation	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1,000</u>	Axial (Lbs) <u>6.0</u>	
Contact Resistance (Milliohms MAX)	Radial (In- Ω) <u>N/A</u>	
Center Contact <u>2.0</u>	Cable Retention <u>TBD</u>	
Outer Contact <u>1.0</u>	Axial Force (Lbs) <u>N/A</u>	
Cable to Housing <u>N/A</u>	Torque (In- Ω) <u>N/A</u>	
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>670</u>	Weight (Grams) <u>TBD</u>	
I.R.(Megohms MIN) <u>10,000</u>		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 2-3-05	1757141-1	
DIMENSIONS: INCHES [mm]		CHK R.GROSS 2-4-05	PART NO.	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD R.GROSS 2-4-05	NAME	
0 PLC ± -		PRODUCT SPEC	SMA HERMETICALLY SEALED MICROSTRIP TRANSITION	
1 PLC ± -		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
2 PLC ± -			A2 00779 C=1757141 -	
3 PLC ± .005 [0.13]		WEIGHT TBD	SCALE 8:1 SHEET 1 OF 1 REV 0	
4 PLC ± -		CUSTOMER DRAWING		
ANGLES ± -				
FINISH				
SEE TABLE				

AMP 1471-9 REV 31MAR2000

MA/COM#: 2052-0721-00

26FEB2002 8:32am AMP16412