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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 FLUORCARBON 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]):
 .120^{+0.005}/_{-.000} [3.05^{+0.13}/_{-0.00}]
 .320±.003 [8.13±0.08]
 .375 [9.52]
 .065 [1.65]
 .250-36 UNS-2A
 .695 REF [17.65]
 φ.060±.002 [1.52±0.05]
 φ.161±.001 [4.09±0.03]
 φ.241 [6.12]
 "O"-RING

Dimensions (Inches [mm]):
 .340 [8.64] 2 PLC
 φ.102 [φ2.59] 4 PLC
 .500 [12.70] SQUARE

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 2-3-05	Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: INCHES [mm]		CHK R.GROSS 2-4-05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD R.GROSS 2-4-05	NAME	
0 PLC ± -		PRODUCT SPEC	SMA HERMETICALLY SEALED MICROSTRIP TRANSITION	
1 PLC ± -		APPLICATION SPEC	RESTRICTED TO	
2 PLC ± -			SIZE CAGE CODE DRAWING NO	
3 PLC ± .005 [0.13]			A2 00779 C=1757141	
4 PLC ± -			SCALE SHEET OF REV	
ANGLES ± -			8:1 1 of 1 0	
FINISH		WEIGHT TBD	CUSTOMER DRAWING	
SEE TABLE				

AMP 1471-9 REV 31MAR2000

MA/COM#: 2052-0721-00

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1757141

1757141-1
PART NO.

Mouser Electronics

Authorized Distributor

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