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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

DF

X0

O

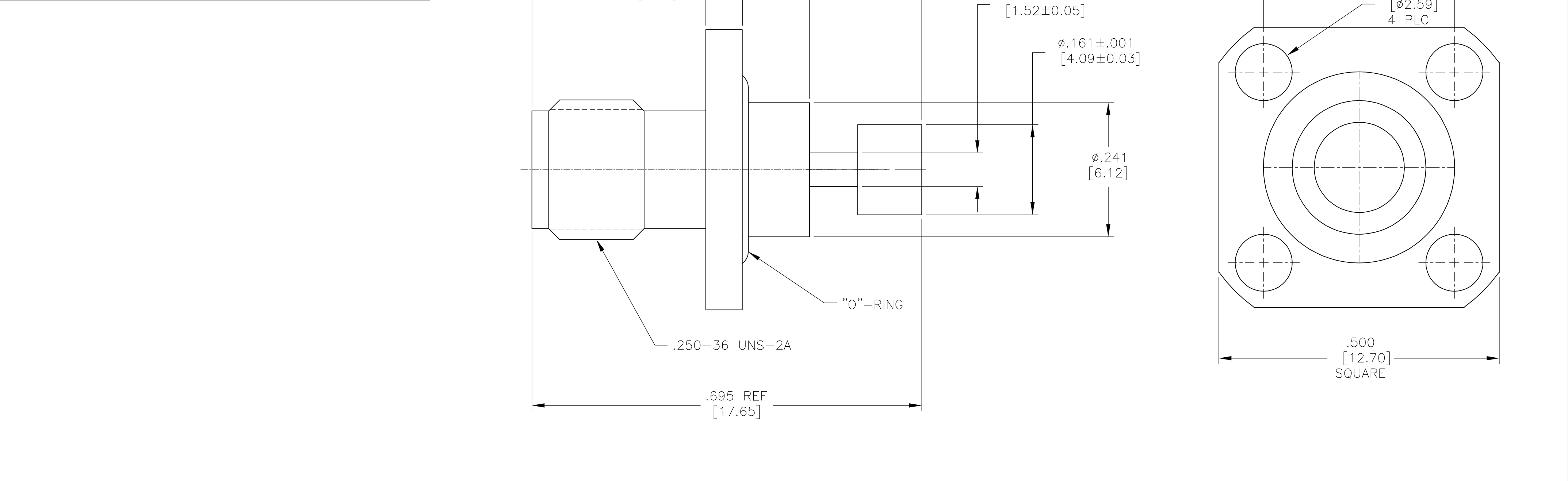
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2-3-05

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 ASTN-B-16 HALF HARD	GOLD PLATED PER ASTM-B-488
"O"-RING	ETHYLENE PROPLENE PER ASTM-D2000-70	-



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	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 1,000	Axial (Lbs) 6.0	
Contact Resistance (Milliohms MAX)	Radial (In-Oz) N/A	
Center Contact 2.0	Cable Retention TBD	
Outer Contact 1.0	Axial Force (Lbs) N/A	
Cable to Housing N/A	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.

DIMENSIONS:
INCHES [mm]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±	-
1 PLC	±	-
2 PLC	±	-
3 PLC	±	.005 [0.13]
4 PLC	±	-
ANGLES	±	-
FINISH		

MATERIAL

SEE TABLE

FINISH

SEE TABLE

WEIGHT

TBD

CUSTOMER DRAWING

SCALE 8:1

SHEET 1 OF 1

REV 0

DWN

C.C.THOMAS

2-3-05

CHK

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APVD

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2-4-05

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

TBD

CUSTOMER DRAWING

SCALE 8:1

SHEET 1 OF 1

REV 0

NAME

SMA HERMETICALLY SEALED MICROSTRIP TRANSITION

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

1757141-1

PART NO.

tyco

Electronics

Tyco Electronics Corporation

Harrisburg, Pa 17105-3608