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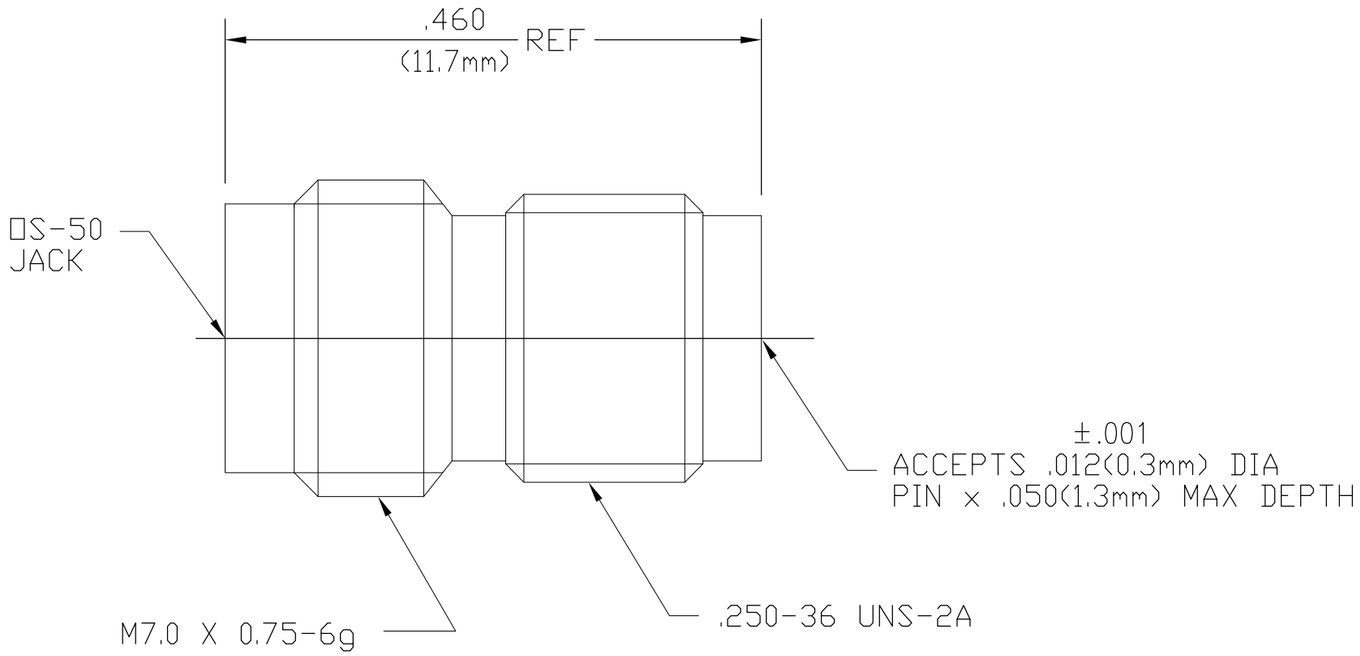
LOC	DIST
—	—

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REV PER ECO-07-026032	14NOV07	PY	DW



ELECTRICAL

NOMINAL IMPEDANCE (OHMS) 50 ±1
Frequency Range (GHz) DC to 50
Volt Rating (VRMS MAX)
@ Sea Level N/A
VSWR DC to 18 GHz : 1.11MAX
18 to 26.5 GHz : 1.18MAX
26.5 to 50 GHz : 1.29MAX
Insertion Loss (dB MAX) .07x $\sqrt{f(GHz)}$
RF Leakage (dB MIN) (Interface Only, Fully Mated) -(90-f(GHz))
Corona, 70,000 Ft (VRMS MIN) 150
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level 500
Contact Resistance (Milliohms MAX)
Center Contact 4.0
Outer Contact 4.0
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) 600
I.R.(Megohms MIN) 5000

MECHANICAL

Interface Dimensions
See Catalogue
Mating Characteristics:
Insertion (MAX Lbs) 2
Withdrawal (MIN Oz) 1
Force to Engage (In/Lbs MAX) 2

Center Contact Captivation
Axial (Lbs) 4

ENVIRONMENTAL

TEMPERATURE RATING -55° TO +125°C
Vibration MIL-STD-202, Method 204, Condition D, 20Gs
Shock MIL-STD-202, Method 213, Condition I, 100Gs
Thermal Shock MIL-STD-202, Method 107, Condition B
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B

COMPONENT	MATERIAL	FINISH
HOUSING BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204

1046294-1
PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± -
1 PLC	± -
2 PLC	± -
3 PLC	± .005
4 PLC	± -
ANGLES	± 1°

MATERIAL: SEE TABLE
FINISH: SEE TABLE

DWN P. YEAGER 13NOV2007
CHK D. WILSON 14NOV07
APVD D. WILSON 14NOV07
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

Tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
OS-50 PANEL FEED THRU
JACK RECEPTACLE
ACCEPTS .012 DIA PIN

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1046294	—

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV B

AMP 1470-19 REV 31MAR2000