

SPECIFICATIONS

PRODUCTION
RELEASE

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IAW ANSI Y14.5-1995

REVISIONS

REV	DESCRIPTION	APPROVED
-1	REDRAWN ON NEW TITLE BLOCK	2/17/2009 D. Saunders

ELECTRICAL:

VSWR:	10 MHz TO 18 GHz	<1.35
IMPEDANCE		50 OHMS
FREQUENCY RANGE		10 MHz TO 18 GHz
INSERTION LOSS	10 MHz - 18 GHz	0.50 dB
VOLTAGE		200 VOLTS MAX.
POWER (AVG)		2 WATTS*

*POWER DERATES LINEARLY FROM +25°C TO <10 % @ +125°C

TEMPERATURE RANGE (°C) -65 TO +125

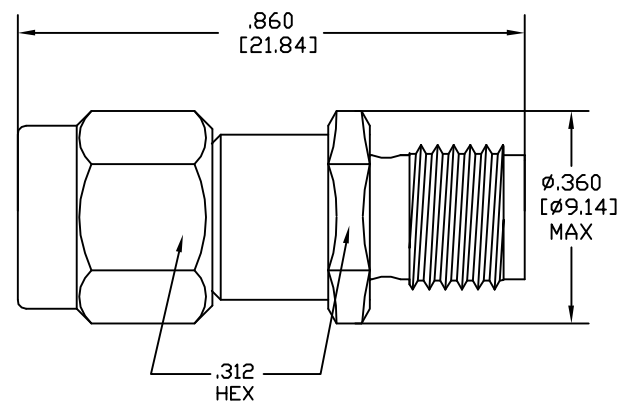
MATERIALS

CENTER CONTACT
VERY COPPER ALLOY C17200 OR C17300 IAW ASTM B196/B197
GOLD PLATED PER MIL-PRF-39012 (ASTM-B488)

CONNECTOR BODY AND COUPLING NUT
STAINLESS STEEL IAW A582, TYPE 303, PASSIVATED PER QQ-P-35

CAPACITOR:
37 nf TYPICALLY (37,000 pf)

CONNECTOR MATERIALS, FINISHES AND MATING INTERFACE
DIMENSIONS COMPLY WITH MIL-PRF-39102 AND MIL-STD-348



DRAWING PRACTICES PER ANSI-Y-14.5
MIL-STD-100 & 1000
DIMENSIONS ARE IN INCHES AND
APPLY BEFORE PROCESSING
SURFACE
ROUGHNESS
FINISH
SEE NOTES
MATERIAL
SEE NOTES

UNLESS OTHERWISE SPECIFIED
TOLERANCES IN
DECIMALS INCH MM
.XX" .050" [1.25]
.XXX" .030" [.76]
.XXXX" ANGLES ±
UNLESS OTHERWISE NOTED
DIA CONCENTRIC <.003 T.I.R.

DRAWN
J. SAUNDERS
DATE
CHECKED
DATE
ENG.
DATE
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TITLE
MICROWAVE DC BLOCK
SMA, 18 GHz
SIZE C CAGE CODE 3HT76 DWG NO. 2046-6050-18
SCALE 6:1 PLATING AREA SQUARE INCHES XXX SHEET 1 OF 1