

SPECIFICATIONS

**PRODUCTION
RELEASE**

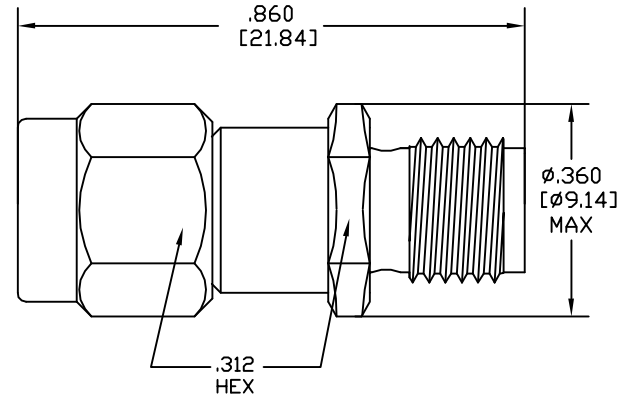
NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IAW ANSI Y14.5-1995

REVISIONS

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

ELECTRICAL:

VSWR:	7kHz TO 23 GHz	<1.35
IMPEDANCE		50 OHMS
FREQUENCY RANGE		7 kHz TO 23 GHz
INSERTION LOSS		
	100 KhZ - 12.4 GHz	0.50 dB
	12.4 - 23 GHz	0.75 dB
BETTER THAN -3 dB Bandwidth	7 kHz - 23 GHz	
VOLTAGE		100 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
BERY 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:
474 nf TYPICALLY (474,000 pf)

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

DRAWING PRACTICES PER ANSI Y14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN DECIMALS INCH MM	DRAWN J. SAUNDERS	DATE
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	.XX" .050" [1.25] .XXX" .030" [.76]	CHECKED	DATE
SURFACE ROUGHNESS	.XXXX" ANGLES ±	ENG.	DATE
FINISH: SEE NOTES	UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.	
MATERIAL: SEE NOTES			

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Powered by:	
XMA Omni Spectra®	
Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03101	
TITLE MICROWAVE DC BLOCK SMA, 23 GHz BROADBAND	
SIZE C	CAGE CODE 3HT76
SCALE 6:1	DWG NO. 2046-6050-23
PLATING AREA SQUARE INCHES	XXX
SHEET 1 OF 1	