

1.0 PERFORMANCE

1.1 FREQUENCY RANGE: DC-11GHz

1.1B: VSWR< 1.15 (dc-3 GHz), <1.35 (4-9 GHz), <1.50 (10-11 GHz)

1.2 VOLTAGE RANGE: 1000V RMS (sea level)

1.3 NOMINAL IMPEDANCE: 50 OHMS

1.4 DWV: 2500V RMS @ 60Hz (sea level)

1.5 TEMPERATURE RANGE: -65°C TO +165°C

2.0 MATERIALS

2.1 DIELECTRIC: TEFLON, ASTM-D-1710

2.2 CENTER CONTACT: BERYLLIUM COPPER ASTM-B-196

2.3 LOCKING RING: PHOSPHOR BRONZE, ASTM-B-159, SPRING TEMPER

2.4 OTHER METAL PARTS: BRASS, ASTM-B-16

2.5 GASKET: SILICON RUBBER, ZZ-R-765, GR. 50, RED

3.0 FINISHES

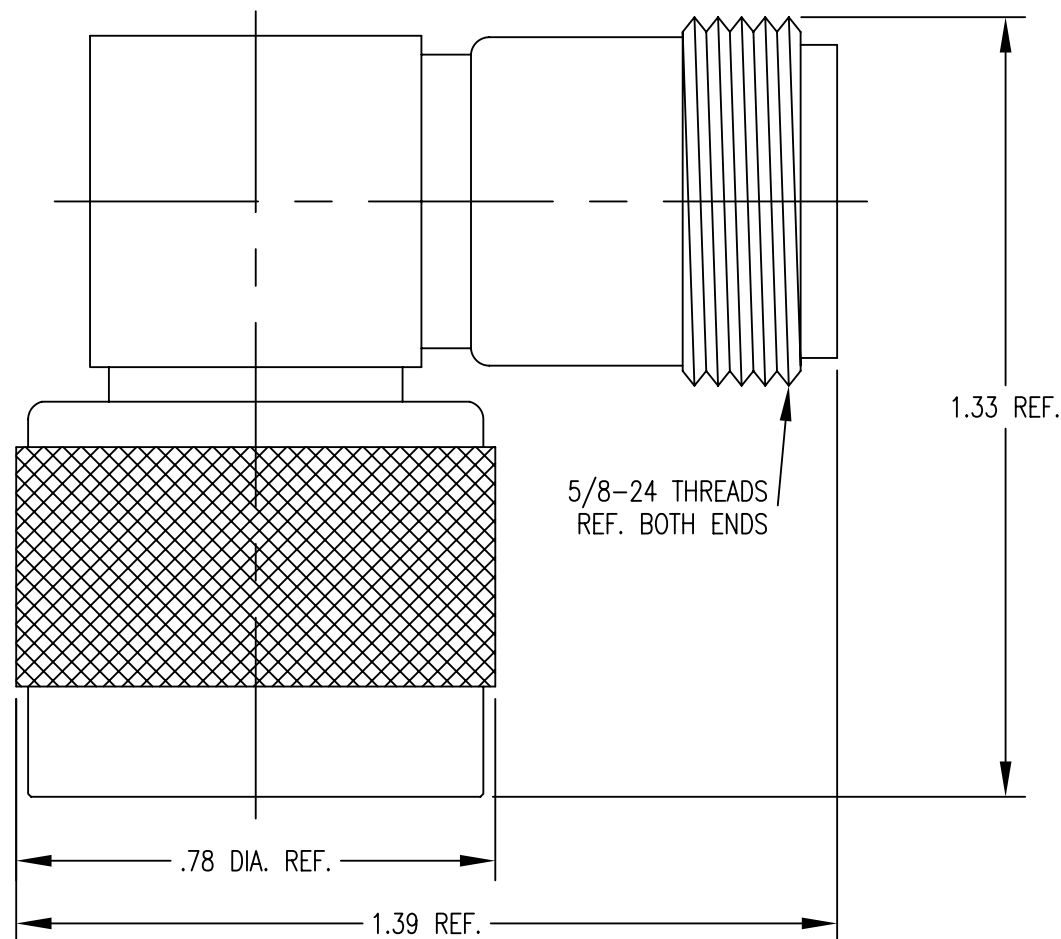
3.1 CENTER CONTACT: SEE TABLE

3.2 ALL OTHER METAL PARTS: SEE TABLE

4.0 MECHANICAL

4.1 INTERFACE IN ACCORDANCE WITH MIL-STD-348

	BODY	CONTACT
UG-27 D/U	Ni	GOLD
UG-27 D/U SI	Si	GOLD



Rev.	Revisions	Disp.	Date	Dwn.	Appd.
D	ADD VSWR PER RESULTS OF ECN 08/06/2003	FIFO	4/22/08	FSH	FSH
C	FREQUENCY CHANGE FROM 11 TO 8 GHz	MIX	03/06/03	LAP	FSH
B	ADDED PLATING CHART	MIX	03/06/03	LAP	FSH
A	ORIGINAL	NEW	03/03/03		
RECOM. STOCK SIZE		FT/M PCS		REMOVE ALL BURRS AND SHARP EDGES .005 MAX.	
				INTERPRET PER ANSI Y14.5M-1982	

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UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES.
ALL DIMENSIONS ARE AFTER PLATING.
ALL MACHINED SURFACES $63 \sqrt{\text{MAX.}}$
.XXX = ± 0.005 .XX = ± 0.01 FRACTIONAL = $\pm 1/64$
© .002 MAX. TIR. ANG. $\pm 1/2^\circ$ L AXIS .001



THIRD ANGLE PROJECTION

DWN	JMB	5/31/00
CHKD	SJS	11/16/00
APPR	FSH	11/16/00



SAN-TRON, INC.

4 NEWBURYPORT TPK. IPSWICH MA USA 01938

TEL: 978 - 356 -1585 FAX: 978 - 356 -1573

WWW.santron.com E MAIL: santron@santron.com

TITLE RIGHT ANGLE ADAPTER
N(M)-N(F)

MATERIAL:

SEE NOTE 2.0

FINISH:

SEE TABLE

CAGE CODE: 50896

DWG NO.

OL-27D-1

REV.

D

SCALE 3:1