

SPECIFICATIONS

ELECTRICAL:

VSWR:

DC- 4 GHz	1.10
4 - 12.4 GHz	1.15
12.4 GHz - 18 GHz	1.25

IMPEDANCE 50 OHMS

FREQUENCY RANGE DC TO 18 GHz

POWER (AVG) 2 WATTS

DERATES LINEARLY FROM 100 % @ $\leq +25^{\circ}\text{C}$ TO 10 % @ $+125^{\circ}\text{C}$

POWER (PEAK) (<5 $\mu\text{SEC PW}$, <0.02 % DUTY CYCLE) 500 WATTS

TEMPERATURE RANGE ($^{\circ}\text{C}$) -55 TO +125

MATERIALS

CENTER CONTACT

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

CONNECTOR HOUSING

STAINLESS STEEL IAW A582, TYPE 303, PASSIVATED PER
QQ-P-35

DIELECTRIC

TEFLON IAW ASTM-D1710

RESISTIVE ELEMENT

THIN FILM ON CERAMIC RESISTOR - PREFERRED MATERIALS
FOR USE AT CRYOGENIC TEMPERATURES TO 0 KELVIN

CONNECTOR MATING INTERFACE DIMENSIONS COMPLY WITH
MIL-PRF-39102 AND MIL-STD-348 FOR TNC A MALE CONNECTORS

WILL MEET ALL ENVIRONMENTAL REQUIREMENTS OF MIL-DTL-39030

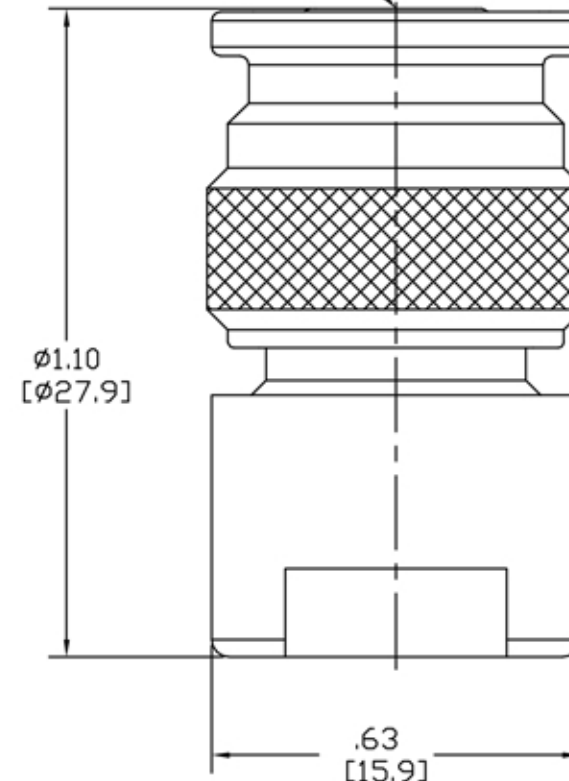
PRODUCTION
RELEASE



REVISIONS

REV	DESCRIPTION	APPROVED
A	REVISED LENGTH FROM 1.25" TO 1.10"	09/03/2010 D. Saunders

TNC A INTERFACE
IAW MIL-STD-348



UNLESS OTHERWISE SPECIFIED
TOLERANCES IN:

DECIMALS	INCH	MILLIMETERS
.XX	.03	[.75]
.XXX	.010	[.25]
.XXXX	.005	[.127]
.XXXXX	.0005	[.013]

ANGLES $\pm 0^{\circ}30'$
REMOVE ALL BURRS/SHARP V'S
BREAK - R OF .003 TO .005
UNLESS OTHERWISE NOTED
DIA CONCENTRIC $\pm .003$ T.I.R.

FINISH SEE NOTES

MATERIAL SEE NOTES

DRAWN
D. SAUNDERS

CHECKED

ENG.

DATE

DATE

DATE



5214 Borsai Street
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TITLE
TNC, 18 GHz, MALE
2 WATT TERMINATION

SIZE	CAGE CODE	DWG NO.
C	0T8L4	HT18TM-2

SCALE 6:1 1/4" = 1" 13.5" = 8" 1/4" XXX SHEET 1 OF 1