



DESIGNED FOR USE WITH	SF-142 CABLE
CABLE ENTRY DIAMETER	MINIMUM
CONTACT	.038
SLEEVE	.121

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
05 ₁	REVISED	PATLAN 12-01-98	4/5/99

NOTES:
1. CAPTURED CENTER CONTACT

COMPONENT	MATERIAL	FINISH
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35
COUPLING NUT		
CLAMP NUT		
DIELECTRIC	PTFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204
SLEEVE	BRASS PER ASTM-B-16, HALF HARD	GOLD PLATE PER MIL-G-45204
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	N/A
RETAINING RING	BERYLLIUM COPPER PER ASTM-B-194, ALLOY C17200, CONDITION H	NICKEL PLATE PER QQ-N-290
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4	N/A
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions MIL-STD-348A, Fig. <u>N/A</u>	Temperature Rating <u>-65°C To +165°C</u>
Frequency Range (GHz) <u>DC to 15</u>	Recommended Mating Torque <u>12-15 IN-LBS</u>	Vibration MIL-STD-202, Method 204, Condition B
Volt Rating (VRMS MAX) @ Sea Level <u>500</u>	Mating Characteristics: Insertion (MAX Lbs) <u>N/A</u>	Shock MIL-STD-202, Method 213, Condition G
VSWR <u>1.05 MAX @ 1 GHz</u> <u>1.30 MAX @ 4 GHz</u>	Withdrawal (MIN Oz) <u>N/A</u>	Thermal Shock MIL-STD-202, Method 107, Condition B, Except High Temp +85°C
Insertion Loss (dB MAX) <u>0.20 @ 3 GHz</u>	Force to Engage and Disengage (In-Lbs MAX) <u>2</u>	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (Between 2 & 3 GHz) <u>-55dB MIN -55dB MAX</u>	Center Contact Captivation: Axial (Lbs) <u>N/A</u>	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Max proof voltage d.c. (at sea level) <u>2 kV</u> (at an altitude of 26 km) <u>500V</u>	Radial (In-Oz) <u>N/A</u>	
Max proof voltage R.F. (5 MHz at sea level) <u>1 kV rms</u>	Cable Retention: Axial Force (Lbs) <u>30</u>	
Contact Resistance: Center Contact <u>1.50 m ohm</u>	Torque (In-Oz) <u>N/A</u>	
Outer Contact <u>0.20 m ohm</u>	Weight (Grams) <u>TBD</u>	
Cable to Housing <u>0.10 m ohm</u>		
I.R.(MIN) <u>5 G ohm</u>		

.XXX = in
XX.X = mm (REF)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRAC.	DEC.	ANGLES
± 1/64	±.005	± 1°

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DRAWN BY	DATE
G	3-20-79
CHECKED BY	
GH	4-21-79
APPD BY	
JC	4-23-79

USE ASSY PROCEDURE

408-08311
NO. A.P. (564)

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AMP

TITLE: TNC STRAIGHT PLUG SOLDER CLAMP ATTACHMENT (RAYTHEON 929023-3)

SIZE	CODE IDENT NO.	REV
B	26805	05 ₁

3131-5007-29

SCALE 3:1 SHEET 1 OF 1