

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/20/07	A.D.M.
B	ECO #6647	04/25/07	D.N.

PROPRIETARY INFORMATION
NOT TO BE RELEASED
WITHOUT WRITTEN PERMISSION
FROM AN AUTHORIZED
REPRESENTATIVE OF
APPLIED ENGINEERING PRODUCTS

NOTES:

MATERIALS:

- BODIES & COUPLING NUT = STAINLESS STEEL PER ASTM A582, ALLOY 303, CONDITION "A".
- INSULATORS = VIRGIN WHITE TEFLON PER ASTM D1710, GRADE 1, TYPE I, CLASS "B".
- CONTACT & RETAINING RING = BERYLLIUM COPPER PER ASTM B196, ALLOY C17300, TEMPER TD04.
- GASKET = SILICONE RUBBER PER ZZ-R-765, CLASS 2B, GRADE 65-75.
- ALL OTHER METAL PARTS = BRASS PER ASTM B16, ALLOY C36000, TEMPER H02.

FINISHES:



- BODIES = GOLD PLATE PER MIL-G-45204, TYPE II, CLASS 0, GRADE C, OVER .000050 TO .0001 STRESS FREE NICKEL PER QQ-N-290.
- CONTACTS = GOLD PLATE PER MIL-G-45204, TYPE II, CLASS 1, GRADE C, OVER .00010 TO .00020 STRESS FREE SULFAMATE NICKEL PER QQ-N-290.
- COUPLING NUT = PASSIVATE PER QQ-P-35, TYPE VI.
- ALL OTHER METAL PARTS = GOLD PLATE PER MIL-G-45204, TYPE II, CLASS 0, GRADE C, OVER .00010 TO .00020 COPPER STRIKE PER MIL-C-14550.

ELECTRICAL:

INSERTION LOSS = $.03 \times \sqrt{F(\text{GHz})}$ MAX TEST FREQUENCY 6 GHz.
 VSWR = $1.15 + (.020 \times F[\text{GHz}])$, DC-12.4 GHz.
 IMPEDANCE = 50 ohms.
 FREQUENCY RANGE = DC TO 18GHz, DEPENDENT ON CABLE TYPE & CONFIGURATION.

ENVIRONMENTAL:

VIBRATION: METHOD 204, TEST CONDITION D.
 MECHANICAL SHOCK = METHOD 213, CONDITION I.
 THERMAL SHOCK = METHOD 107, CONDITION B.
 CORROSION = METHOD 101, CONDITION B, 5% SALT SOLUTION.
 MOISTURE RESISTANCE = METHOD 106.
 CORONA LEVEL = CORONA FREE @ 70,000 FEET, VOLTAGE DEPENDENT ON CABLE SIZE.
 TEMPERATURE RATING = -65°C TO +165°C.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	DWN:	DATE	 APPLIED ENGINEERING PRODUCTS 104 John W. Murphy Dr. New Haven, CT 06513 <i>a RADIALL company</i>			
	A.D.M.	04/20/07				
	DECIMAL	ANGLE	CHKD:	DATE	SMA RIGHT ANGLE PLUG CLAMP TYPE FOR RG-55 & SIMILAR CABLES	
		D.N.	04/20/07			
REFERENCE:	MATERIALS & FINISHES:		SIZE	FSCM NO.	DWG NO.	REV
ORIGINATED: A.D.M. DATE: 04/20/07	SEE NOTES		A	19505	9243-1553-001	B
			SCALE 4:1	THIRD ANGLE PROJECTION 		SHEET 1 OF 1

9243-1553-001