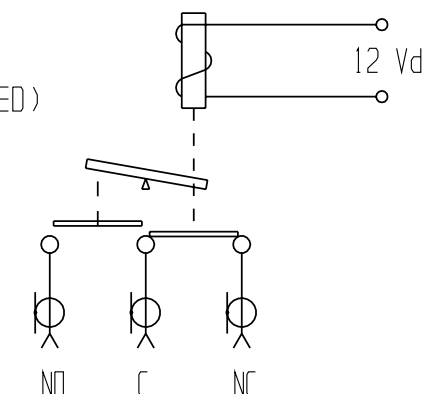
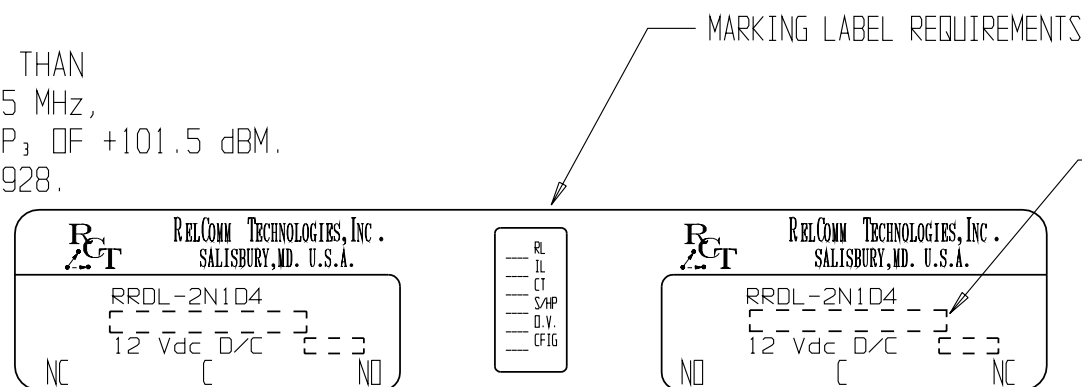


NOTES:

1. INTERPRET CALLOUTS/SYMBOLS PER ASME Y14.5M-1994.
2. METRIC (MILLIMETER) EQUIVALENTS ARE IN PARENTHESIS.
3. INTERMODULATION: NO THIRD ORDER INTERMODULATION PRODUCTS LESS THAN 95 dBc SHALL EXIST AS A RESULT OF TWO 250 WATT SIGNALS ($F_1=825$ MHz, $F_2=850$ MHz) INCIDENT TO THE RELAY. THIS IS EQUIVALENT TO AN IP₃ OF +101.5 dBm.
4. VERIFICATION OF CHARACTERISTICS ARE IN REFERENCE WITH MIL-S-3928.
5. THIS RELAY IS ROHS COMPLIANT.



SCHEMATIC SHOWN IN DE-ENERGIZED POSITION

CHARACTERISTICS:

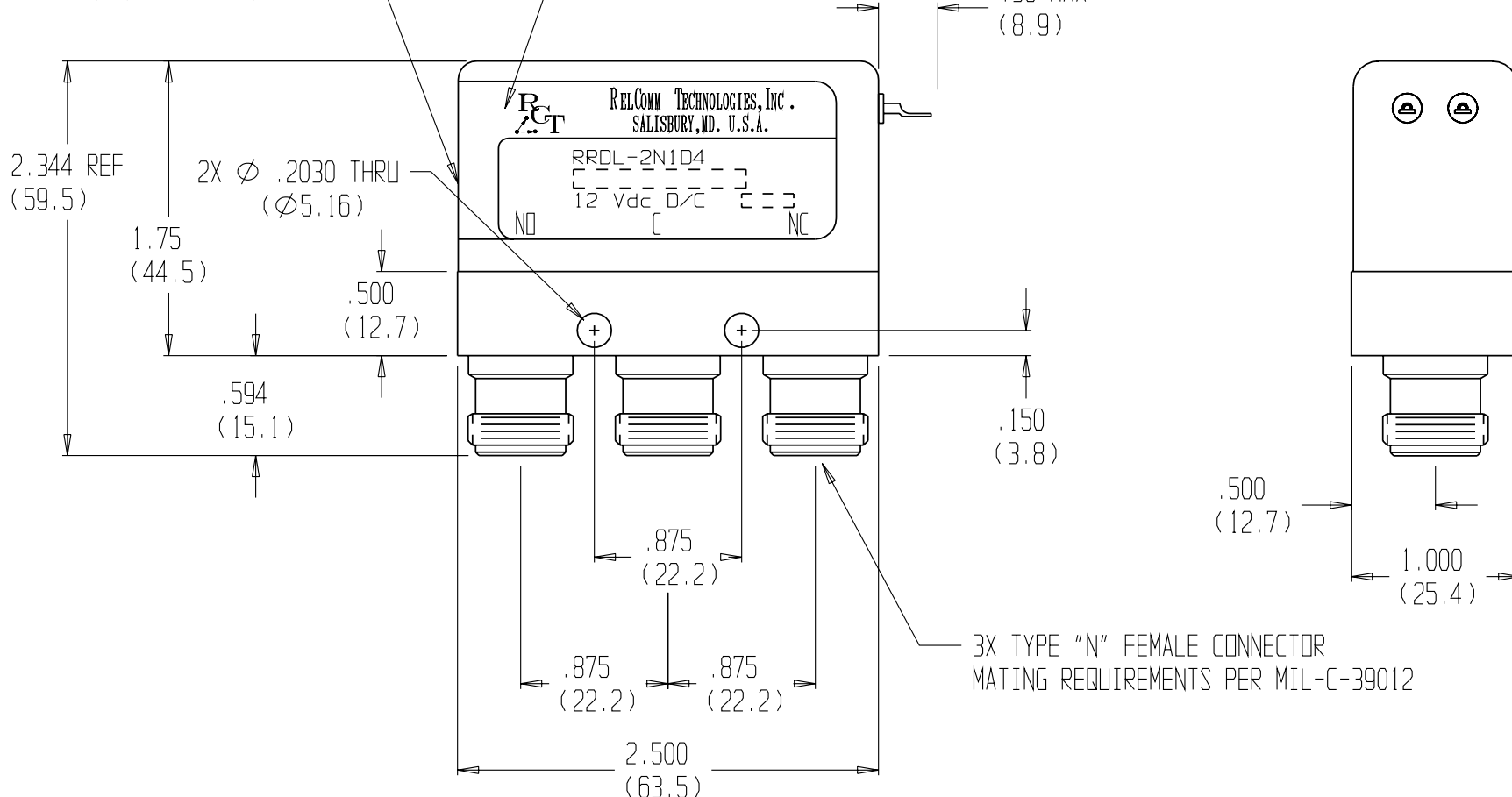
| | | | | |
|---------------------------------|--------|--------|--------|--------|
| NOMINAL IMPEDANCE (OHM) ----- | 50 | | | |
| FREQUENCY RANGE (GHz) ----- | DC-1 | 1-2 | 2-3 | 3-4 |
| V.S.W.R. (MAX) ----- | 1.10:1 | 1.15:1 | 1.25:1 | 1.30:1 |
| INSERTION LOSS (dB MAX) ----- | 0.10 | 0.15 | 0.20 | 0.25 |
| ISOLATION (dB MIN) ----- | 80 | 80 | 80 | 70 |
| AVERAGE POWER (WATTS TYP) ----- | 550 | 400 | 325 | 275 |

| | |
|----------------------------------|----------------------------|
| TEMPERATURE RANGE (OPERATING) -- | -40° C - +85° C |
| TEMPERATURE RANGE (STORAGE) ---- | -55° C - +100° C |
| SWITCHING ACTION (FAILSAFE)----- | BREAK BEFORE MAKE |
| OPERATING VOLTAGE (OVER TEMP) -- | 10 - 14 Vdc |
| PICKUP VOLTAGE (MAX @ 25° C) --- | 9 Vdc |
| DROPOUT VOLTAGE ----- | > 2 Vdc |
| ACTUATING CURRENT (mA MAX) ----- | 133 @ 12 Vdc & 25° C |
| SWITCHING TIME (MAX) ----- | 20 mSEC |
| LIFE (MIN PER POSITION)----- | 1 * 10 ⁶ CYCLES |
| WEIGHT (OZ) ----- | 6.5 NDM |

MATERIALS/FINISH:

| | |
|-----------------|---------------------------|
| HOUSING ----- | ALUMINUM/NICKEL |
| COVER ----- | ALUMINUM/BLACK ANODIZED |
| CONNECTORS --- | STAINLESS STEEL/PASSIVATE |
| INSULATION --- | TEFLON |
| CONTACTS ----- | BERYLLIUM COPPER/GOLD |
| TERMINALS ----- | Ni-Fe/Sn-PLATED |

TEST VERIFICATION REQTS (VENDOR OPTION)



| | | | | | | | | |
|-----|----------|---------|----------|--|--|---|---|-----------------------|
| | | | | UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES AND INCLUDE PLATING. TOLERANCES .XX ± .02 FRACTIONS ± .XXX ± .010 SURFACE QUALITY .XXXX ± .0050 63/ MAX | DR A. MAGDA 1/11/07 CK B. JONES ENG M. MAGDA MFG QA | <p>RELCOMM TECHNOLOGIES, INC. 610 BEAM STREET SALISBURY, MARYLAND 21801</p> | TITLE COAXIAL RELAY "FAILSAFE" 1P2T | |
| - | RELEASED | 5/22/07 | A. MAGDA | THIRD ANGLE PROJECTION | THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF RELCOMM TECHNOLOGIES AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEM(S) WITHOUT WRITTEN PERMISSION. | | SIZE B | DWG NO. RRDL-2N104 |
| REV | ECN NO. | DATE | APPROVAL | | | SCALE 1:1 | DO NOT SCALE DWG | SHEET 1 OF 1 |