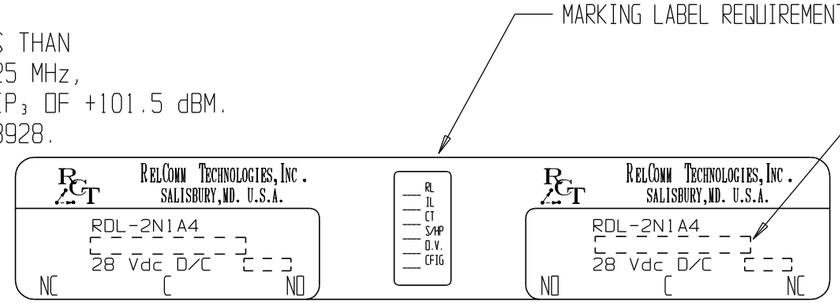
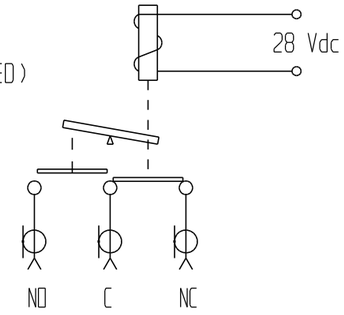
NOTES:
1. INTERPRET CALLOUTS/SYMBOLS PER ASME Y14.5M-1994.
2. METRIC (MILLIMETER) EQUIVALENTS ARE IN PARENTHESIS.
3. INTERMODULATION: NO THIRD ORDER INTERMODULATION PRODUCTS LESS THAN 95 dBC SHALL EXIST AS A RESULT OF TWO 250 WATT SIGNALS (F_1=825 MHz, F_2=850 MHz) INCIDENT TO THE RELAY. THIS IS EQUIVALENT TO AN IP_3 OF +101.5 dBM.
4. VERIFICATION OF CHARACTERISTICS ARE IN REFERENCE WITH MIL-S-3928.





SCHEMATIC SHOWN IN DE-ENERGIZED POSITION

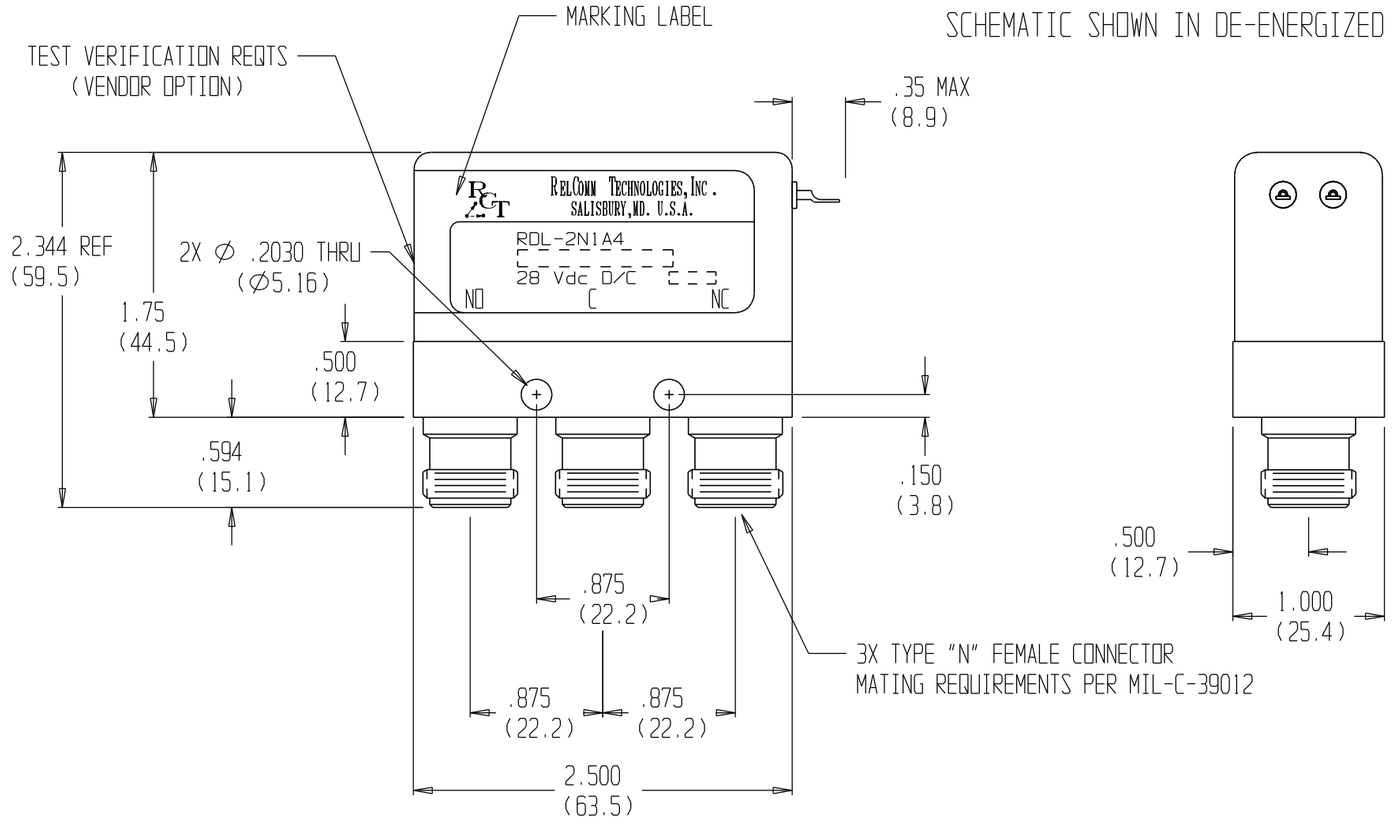
CHARACTERISTICS:

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) --	22 - 32 Vdc
PICKUP VOLTAGE (MAX @ 25°C) ----	20 Vdc
DROPOUT VOLTAGE ----------	> 2 Vdc
ACTUATING CURRENT (mA MAX) -----	82 @ 28 Vdc & 25°C
SWITCHING TIME (MAX) ----------	20 mSEC
LIFE (MIN PER POSITION)---------	1 * 10^6 CYCLES
WEIGHT (OZ) ----------	6.5 NOM

MATERIALS/FINISH:

HOUSING ------	ALUMINUM/NICKEL
COVER --------	ALUMINUM/BLACK ANODIZED
CONNECTORS ---	STAINLESS STEEL/PASSIVATE
INSULATION ---	TEFLON
CONTACTS -----	BERYLLIUM COPPER/GOLD
TERMINALS -----	Ni-Fe/Sn-70 SOLDER



REV	ECN NO.	DATE	APPROVAL
2	1105	10/28/03	B.JONES
1	1083	7/30/03	M.MAGDA

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
AND INCLUDE PLATING.
TOLERANCES
.XX ±.02 FRACTIONS ±
.XXX ±.010 SURFACE QUALITY
.XXXX ±.0050 63√ MAX

THIRD ANGLE PROJECTION

DR	C.POWELL	10/23/00
CK	M.MAGDA	10/30/00
ENG	B.JONES	10/25/00
MFG		
QA		

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RCT EXCELLENCE BY DESIGN

RELCOMM TECHNOLOGIES, INC.
610 BEAM STREET
SALISBURY, MARYLAND 21801

TITLE: COAXIAL RELAY "FAILSAFE" 1P2T

SIZE B | DWG NO. RDL-2N1A4 | REV 2

SCALE 1:1 | DO NOT SCALE DWG | SHEET 1 OF 1