**REVISIONS**

| ZONE | REV | DESCRIPTION | DATE | APPROVED |
|------|-----|-------------|------|----------|
|      |     |             |      |          |

**MECHANICAL**
CONTACT: BREAK BEFORE MAKE
ACTUATOR: LATCHING
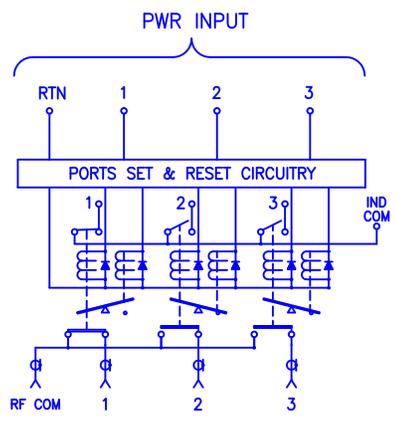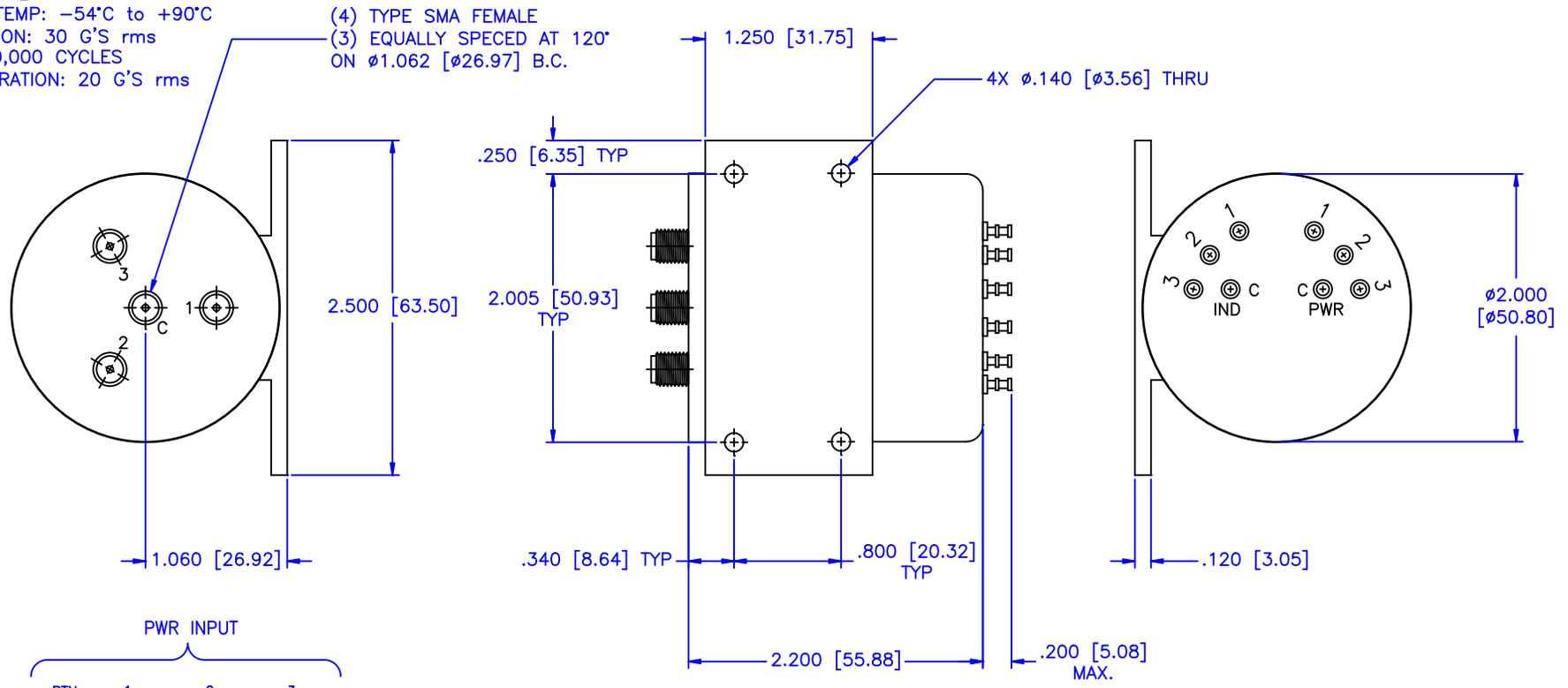SWITCHING SPEED: 20 mSEC MAX

**ELECTRICAL**
ACTUATOR VOLTAGE: 28.0 Vdc (22.0–32.0 Vdc)
ACTUATOR CURRENT: 0.300 A MAX @ 28.0 Vdc
POWER HANDLING: 200 WCW @ 1.0 GHz
IMPEDANCE: 50 OHMS

**ENVIRONMENTAL**
OPERATING TEMP: −54°C to +90°C
SINE VIBRATION: 30 G'S rms
LIFE : 1,000,000 CYCLES
RANDOM VIBRATION: 20 G'S rms

**SPECIFICATION:**

| FREQUENCY RANGE (GHz): | DC–2.0 | 2.0–4.0 | 4.0–8.0 | 8.0–12.4 | 12.4–18.0 |
|---|---|---|---|---|---|
| VSWR (Max.): | 1.20:1 | 1.25:1 | 1.30:1 | 1.40:1 | 1.50:1 |
| INSERTION LOSS (dB): | 0.20 | 0.25 | 0.30 | 0.40 | 0.50 |
| ISOLATION (dB): | 90 | 80 | 80 | 70 | 60 |

(4) TYPE SMA FEMALE
(3) EQUALLY SPECED AT 120°
ON ⌀1.062 [⌀26.97] B.C.

1.250 [31.75]

4X ⌀.140 [⌀3.56] THRU

.250 [6.35] TYP

2.500 [63.50]

2.005 [50.93] TYP

⌀2.000 [⌀50.80]

1.060 [26.92]

.340 [8.64] TYP

.800 [20.32] TYP

.120 [3.05]

.200 [5.08] MAX.

2.200 [55.88]

3   C   1   2

3 2 1   1 2 3
IND   PWR

**PWR INPUT**
RTN   1   2   3

PORTS SET & RESET CIRCUITRY

1   2   3   IND COM

RF COM   1   2   3

MATERIAL:

**MCLI**
MICROWAVE COMMUNICATIONS LABORATORIES INC.
7255 30TH AVE. N. SAINT PETERSBURG, FL 33710
TEL: (727) 344–6254 FAX: (727) 381–6116
hhtp://WWW.MCLI.COM

SCALE: N/A
SHEET: N/A

UNLESS OTHERWISE SPECIFIED:
TOLERANCES
IN (INCHES) OR [mm] (MILLIMETERS)
FRACTIONS: ± 1/64
DECIMALS: ±.01 ±.005
ANGLE: ±1/2°

DRAWING TITLE:
ELECTROMECHANICAL SWITCHES

PART NO.
E3-7-LIS

DRAWN: Paiboon Luekhamhan   DATE: 02-24-2009

APPROVED: T. Nguyen   DATE: 02-24-2009

THIRD ANGLE PROJECTION

CAGE CODE: 0D2L5

SIZE: N/A   REV: N/A

DWG NO. 84195

DO NOT SCALE THE DRAWING