



26.5 GHz SMA LATCHING S.P.D.T. SWITCH

OPTIONS : INDICATOR / SELF CUT-OFF / TTL DRIVE

**R F CHARACTERISTICS**

FREQUENCY RANGE : 0 - 26.5 GHz  
 IMPEDANCE : 50 Ohms

|                 |         |         |          |           |           |
|-----------------|---------|---------|----------|-----------|-----------|
| FREQUENCY (GHz) | 0 - 3   | 3 - 8   | 8 - 12.4 | 12.4 - 18 | 18 - 26.5 |
| V.S.W.R <=      | 1.20    | 1.30    | 1.40     | 1.50      | 1.70      |
| INSERT. LOSS <= | 0.20 dB | 0.30 dB | 0.40 dB  | 0.50 dB   | 0.70 dB   |
| ISOLATION >=    | 80 dB   | 70 dB   | 60 dB    | 60 dB     | 55 dB     |
| AVER. POWER (*) | 240 W   | 150 W   | 120 W    | 100 W     | 40 W      |

**ELECTRICAL CHARACTERISTICS**

ACTUATOR : LATCHING  
 NOMINAL CURRENT AT 25° C (±10%) : 80 mA  
 ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON  
 TERMINALS : solder pins (250° C max./30 sec.)  
 INDICATOR RATING : 1 W / 30 V / 100 mA  
 SELF CUT-OFF TIME : 40 ms < CT < 120 ms  
 TTL INPUTS (E) - High level : 2.2 to 5.5V / 800µA at 5V  
 - Low level : 0 to 0.8V / 20µA at 0.8V

**MECHANICAL CHARACTERISTICS**

CONNECTORS : SMA fem. per MIL C 39012  
 LIFE : 10.000.000 cycles  
 SWITCHING TIME (nominal voltage; 25° C) : < 10 ms  
 CONSTRUCTION : splashproof  
 WEIGHT : < 45 g

**ENVIRONMENTAL CHARACTERISTICS**

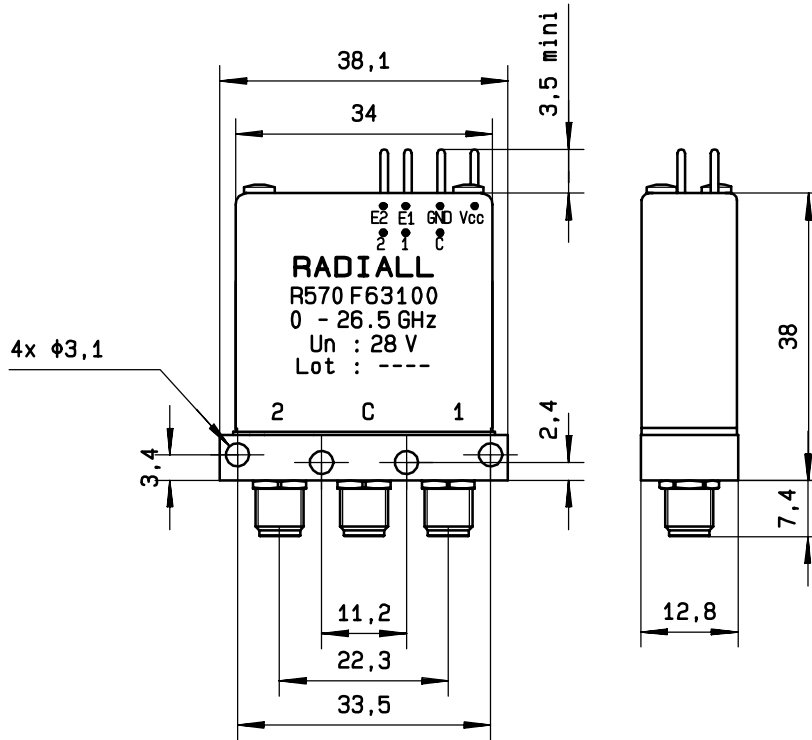
OPERATING TEMPERATURE RANGE (°C) : -40 , +85  
 STORAGE TEMPERATURE RANGE (°C) : -55 , +85

(\* : average power at 25° C)

This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

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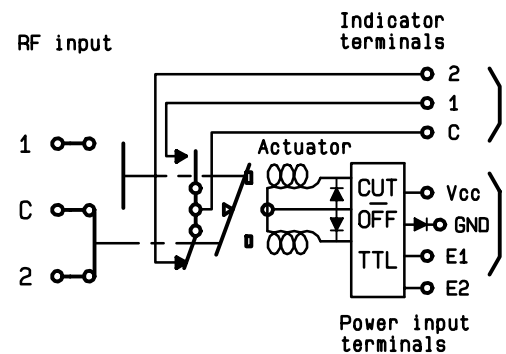
**DRAWING**



General tolerance:  $\pm 0,5$  mm

**SCHEMATIC DIAGRAM**

| TTL input   | RF continuity         | Indicator |
|-------------|-----------------------|-----------|
| E1=1   E2=0 | C $\leftrightarrow$ 1 | C . 1     |
| E1=0   E2=1 | C $\leftrightarrow$ 2 | C . 2     |
| E1=0   E2=0 | Memory                | —         |
| E1=1   E2=1 | Forbidden             | —         |



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