



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

OPTIONS/SELF CUT-OFF / TTL DRIVE

R F CHARACTERISTICS

FREQUENCY RANGE : 0 - 18 GHz
IMPEDANCE : 50 Ohms

| | | | | |
|-----------------|---------|---------|---------|----------|
| FREQUENCY (GHz) | 0 - 3 | 3 - 8 | 8 -12.4 | 12.4- 18 |
| V.S.W.R <= | 1.20 | 1.30 | 1.40 | 1.50 |
| INSERT. LOSS <= | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB |
| ISOLATION >= | 80 dB | 70 dB | 60 dB | 60 dB |
| AVER. POWER (*) | 240 W | 150 W | 120 W | 100 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.)
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 : 10.000000 cycles
SWITCHING TIME (nominal voltage;25°C) : < 10 ms
CONSTRUCTION : splashproof
WEIGHT : < 45 g

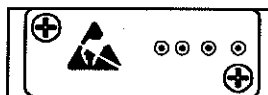
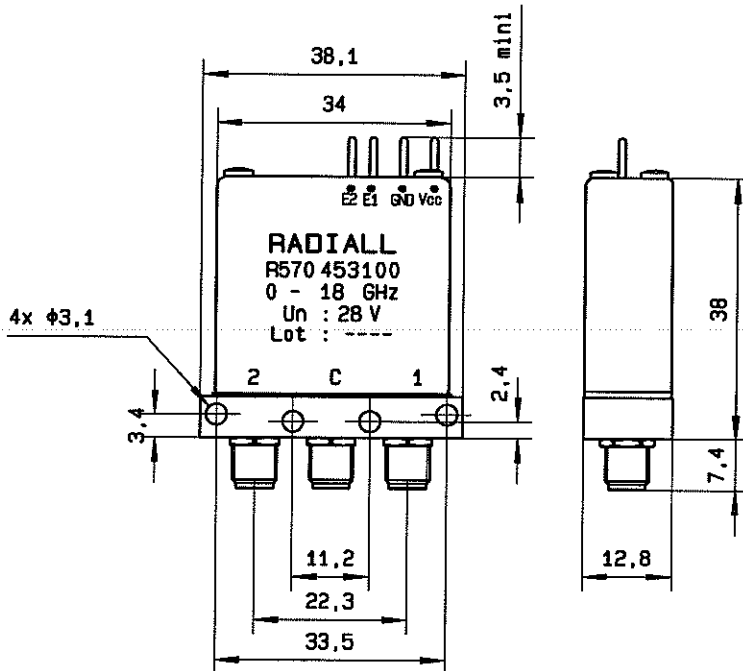
ENVIRONMENTAL CHARACTERISTICS

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

(* : average power at 25°C)

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DRAWING

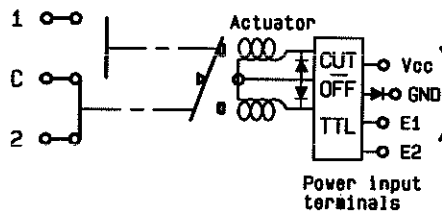


General tolerance: ± 0,5 mm

SCHEMATIC DIAGRAM

| TTL input | | RF continuity | |
|-----------|------|---------------|-----|
| E1=1 | E2=0 | C | ↔ 1 |
| E1=0 | E2=1 | C | ↔ 2 |
| E1=0 | E2=0 | Memory | |
| E1=1 | E2=1 | Forbidden | |

RF input



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