

4112-9212 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



50Ω TERMINATED    18 GHz    SMA    N/O    D.P.3.T. SWITCH

Page  
1 / 2

OPTIONS /: 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 : N/O  
NOMINAL CURRENT AT 25°C (±10%) : 102 mA  
ACTUATOR VOLTAGE (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON  
TERMINALS : solder pins (250°C max./30 sec.)  
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

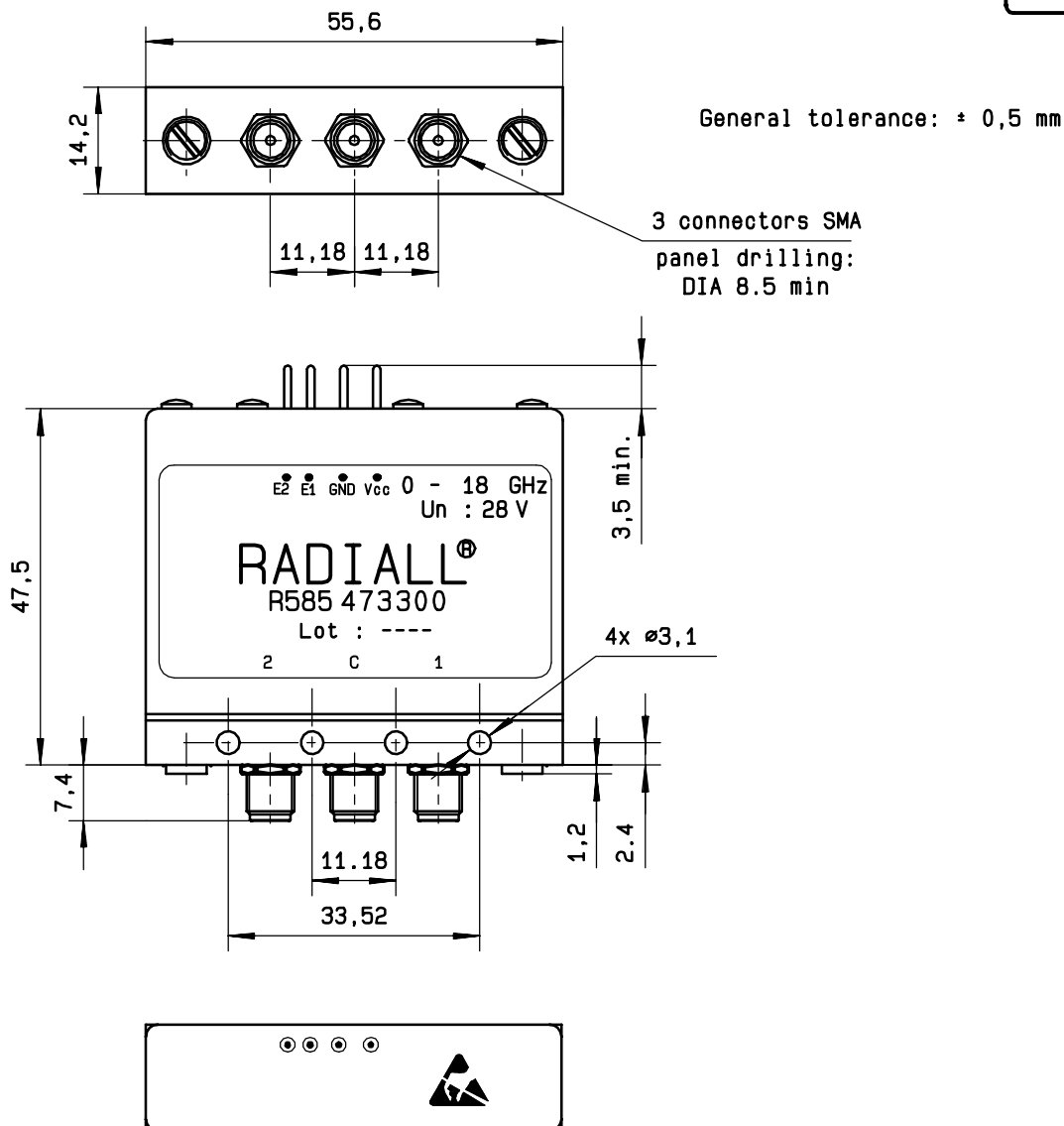
CONNECTORS : SMA female per MIL C 39012  
LIFE : 2.000.000 cycles  
SWITCHING TIME (nominal voltage;25°C) : < 10 ms  
CONSTRUCTION : splashproof  
WEIGHT : < 100 g

### ENVIRONMENTAL CHARACTERISTICS

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

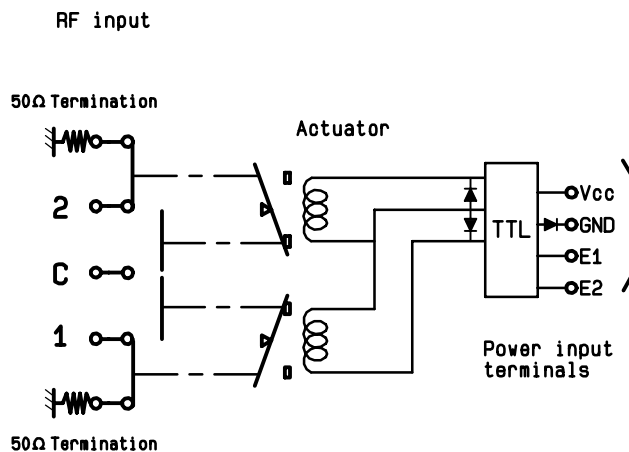
(\* : average power at 25°C)

## DRAWING



## SCHEMATIC DIAGRAM

| Voltage     | RF continuity                                                     |
|-------------|-------------------------------------------------------------------|
| E1=1   E2=0 | C $\leftrightarrow$ 1 / 2 $\leftrightarrow$ 50 $\Omega$           |
| E1=0   E2=1 | C $\leftrightarrow$ 2 / 1 $\leftrightarrow$ 50 $\Omega$           |
| E1=0   E2=0 | 1 $\leftrightarrow$ 50 $\Omega$ / 2 $\leftrightarrow$ 50 $\Omega$ |
| E1=1   E2=1 | Forbidden                                                         |



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