

PAGE 1/2

ISSUE 30.01.15

SERIE : SPnT

PART NUMBER : R574853400

## RF CHARACTERISTICS

Number of ways : 4  
Frequency range : 0 - 40 GHz  
Impedance : 50 Ohms

| Frequency (GHz)    | DC - 6  | 6 - 12.4 | 12.4 - 18 | 18 - 26.5 | 26.5 - 40 |
|--------------------|---------|----------|-----------|-----------|-----------|
| VSWR max           | 1.30    | 1.40     | 1.50      | 1.70      | 2.20      |
| Insertion loss max | 0.20 dB | 0.40 dB  | 0.50 dB   | 0.70 dB   | 1.10 dB   |
| Isolation min      | 70 dB   | 60 dB    | 60 dB     | 55 dB     | 50 dB     |
| Average power (*)  | 40 W    | 30 W     | 25 W      | 15 W      | 5 W       |

TERMINATION IMPEDANCE : 50 Ohms  
TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

## ELECTRICAL CHARACTERISTICS

Actuator : LATCHING  
Nominal current \*\* : 125 mA / RESET : 500 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

## MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012  
Life : 2.000.000 cycles per position  
Switching Time\*\*\* : < 15 ms  
Construction : Splashproof  
Weight : < 250 g

## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -40°C to +85°C  
Storage temperature range : -55°C to +85°C

- (\* Average power at 25°C per RF Path)  
(\*\* At 25° C ±10%)  
(\*\*\* Nominal voltage ; 25° C)  
(\*\*\*\* Reset : supply voltage time 1sec. max. / duty cycle 10%)



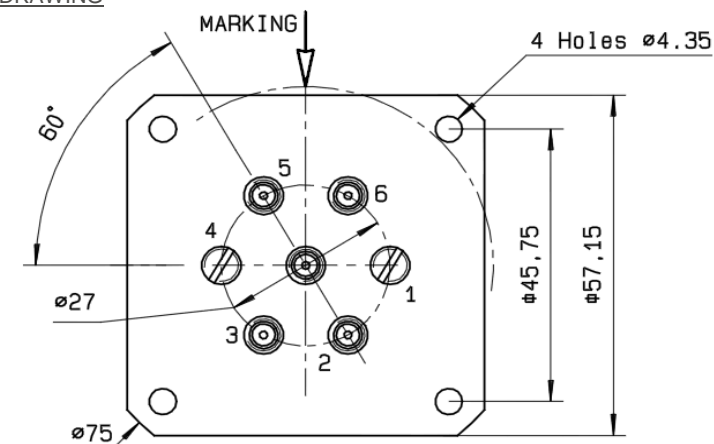
PAGE 2/2

ISSUE 30.01.15

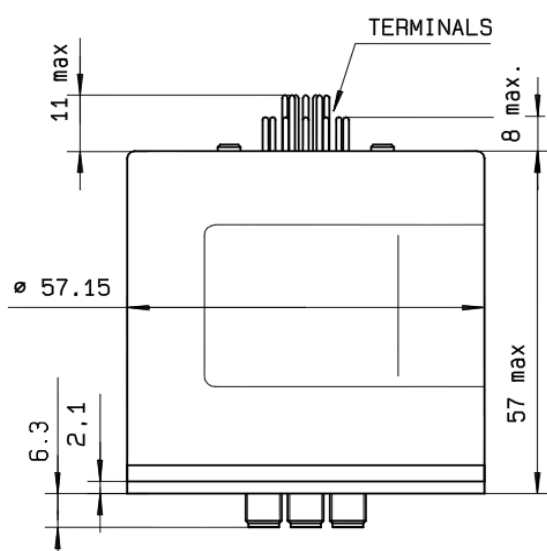
SERIE : SPnT

PART NUMBER : R574853400

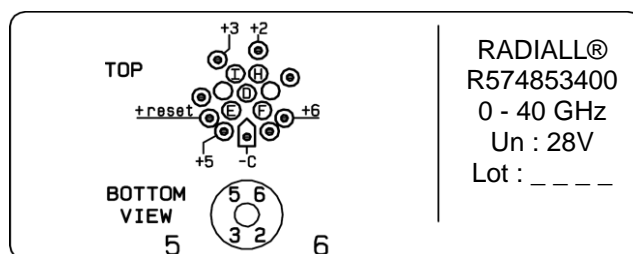
DRAWING



| Voltage   | RF Continuity  | Ind. |
|-----------|----------------|------|
| -C +RESET | All ports open | - -  |
| -C +2     | IN ↔ 2         | D.H  |
| -C +3     | IN ↔ 3         | D.I  |
| -C +5     | IN ↔ 5         | D.E  |
| -C +6     | IN ↔ 6         | D.F  |



LABEL



General tolerances :  $\pm 0.5$  mm

SCHEMATIC DIAGRAM

