# Technical Data Sheet

SP4T Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 28Vdc
Diodes Pins Terminals

| PAGE **1/2** | ISSUE **10-04-25** | SERIE : **SPnT** | PART NUMBER : **R573853400** |
|---|---|---|---|

## 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 | 1.95 |
| Insertion loss max | 0.20 dB | 0.40 dB | 0.50 dB | 0.70 dB | 1.00 dB |
| Isolation min | 80 dB | 70 dB | 70 dB | 60 dB | 55 dB |
| Average power (*) | 40 W | 30 W | 25 W | 15 W | 5 W |

## 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 | : **7 million cycles per position** |
| Switching Time*** | : **< 15 ms** |
| Construction | : **Splashproof** |
| Weight | : **< 220 g** |

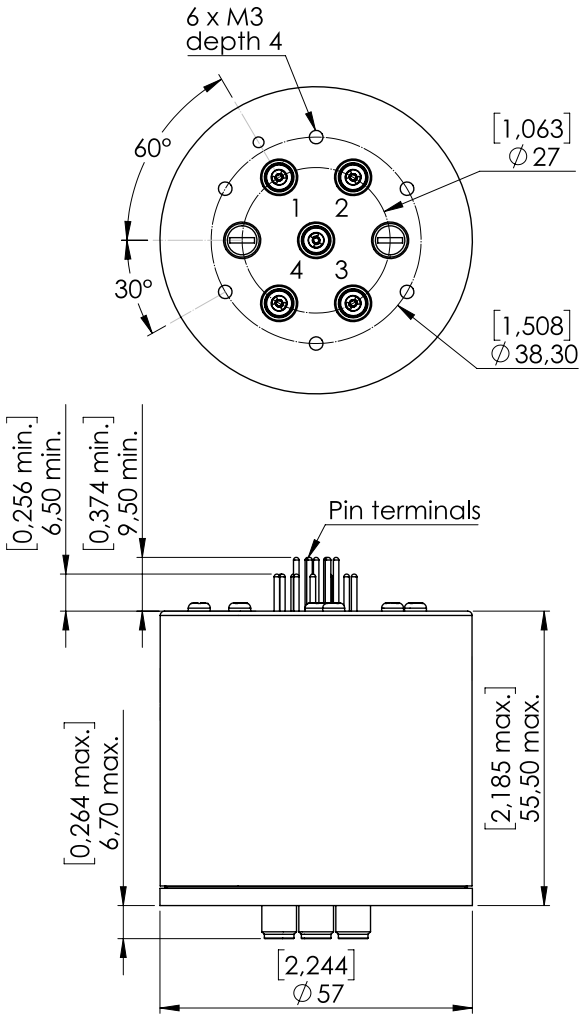
## ENVIRONMENTAL CHARACTERISTICS

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

RoHS COMPLIANT

(* 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%)

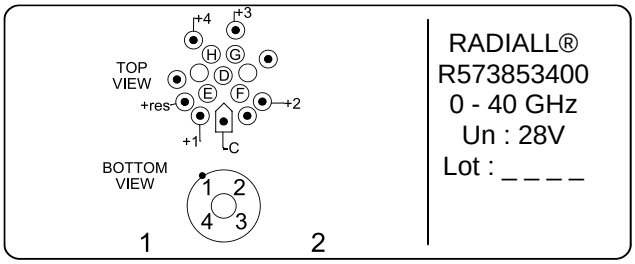
DRAWING




General tolerances : ±0,5 mm [0,02 in]

| Voltage | RF Continuity | Ind. |
|---|---|---|
| -C +RESET | All ports open | - - |
| -C +1 | IN ↔ 1 | D.E |
| -C +2 | IN ↔ 2 | D.F |
| -C +3 | IN ↔ 3 | D.G |
| -C +4 | IN ↔ 4 | D.H |

LABEL




SCHEMATIC DIAGRAM