| PAGE **1/2** | ISSUE **11-04-17** | SERIE : **SPnT** | PART NUMBER : **R573F92825** |
|---|---|---|---|

## RF CHARACTERISTICS

|  |  |
|---|---|
| Number of ways | : **8** |
| Frequency range | : **0 - 26.5 GHz** |
| Impedance | : **50 Ohms** |

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 16 | 16 - 18 | 18 - 22 | 22 - 26.5 |
|---|---|---|---|---|---|---|---|
| VSWR max | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 | 1.70 | 2.00 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.55 dB | 0.60 dB | 0.70 dB | 1.10 dB |
| Isolation min | 80 dB | 70 dB | 60 dB | 60 dB | 60 dB | 60 dB | 55 dB |
| Average power (*) | 240 W | 150 W | 120 W | 110 W | 100 W | 90 W | 40 W |

## ELECTRICAL CHARACTERISTICS

|  |  |  |
|---|---|---|
| Actuator | | : **LATCHING** |
| Nominal current ** | | : **960 mA** |
| Actuator voltage (Vcc) | | : **12V (10.2 to 13V)** |
| Terminals | | : **25 pins D-SUB male connector** |
| 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 5.5 V / 800µA at 5.5 V** |
| | - Low level | : **0 to 0.8 V / 20µA at 0.8 V** |

## MECHANICAL CHARACTERISTICS

|  |  |
|---|---|
| Connectors | : **SMA female per MIL-C 39012** |
| Life | : **2 million cycles per position** |
| Switching Time*** | : **< 50 ms** |
| Construction | : **Splashproof** |
| Weight | : **< 280 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)
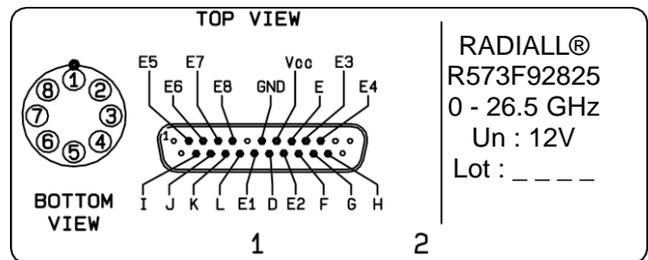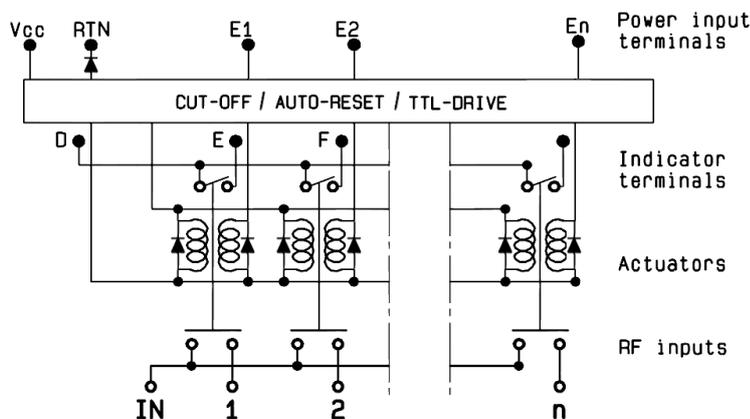(**     At 25° C ±10%)
(***    Nominal voltage ; 25° C)

RoHS COMPLIANT

| PAGE 2/2 | ISSUE 11-04-17 | SERIE : SPnT | PART NUMBER : R573F92825 |
|---|---|---|---|

DRAWING
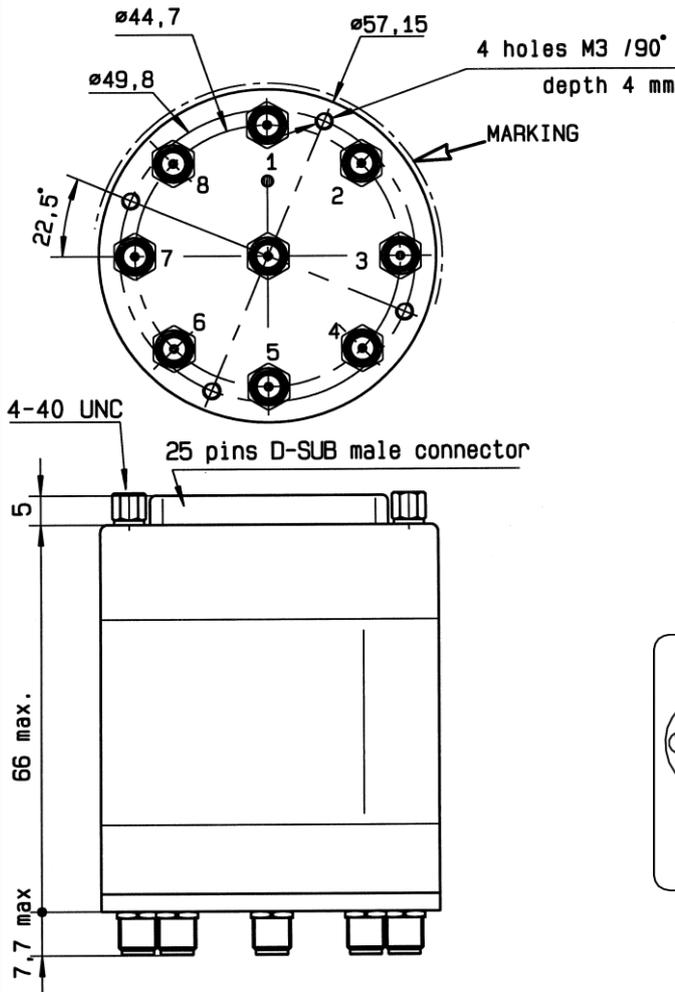


| TTL input | RF Continuity | Ind. |
|---|---|---|
| E1 = 1 | IN ↔ 1 | D.E |
| E2 = 1 | IN ↔ 2 | D.F |
| E3 = 1 | IN ↔ 3 | D.G |
| E4 = 1 | IN ↔ 4 | D.H |
| E5 = 1 | IN ↔ 5 | D.I |
| E6 = 1 | IN ↔ 6 | D.J |
| E7 = 1 | IN ↔ 7 | D.K |
| E8 = 1 | IN ↔ 8 | D.L |

4 holes M3 /90°
depth 4 mm

MARKING

ø44,7
ø57,15
ø49,8
22,5°

4-40 UNC

25 pins D-SUB male connector

5

66 max.

7,7 max

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

LABEL

TOP VIEW

E5  E7    Vcc  E3
E6  E8  GND  E  E4

RADIALL®
R573F92825
0 - 26.5 GHz
Un : 12V
Lot : _ _ _ _

BOTTOM VIEW

I  J  K  L  E1  D  E2  F  G  H

1              2

SCHEMATIC DIAGRAM



Vcc  RTN      E1      E2          En    Power input terminals

CUT-OFF / AUTO-RESET / TTL-DRIVE

D      E      F              Indicator terminals

Actuators

RF inputs

IN      1      2              n

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