# **Technical Data Sheet**



SP8T Terminated Ramses SMA 26.5GHz Latching Self-cut-off Auto-reset 28Vdc TTL Diodes Pins Terminals

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### **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

TERMINATION IMPEDANCE : 50 Ohms

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

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 375 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

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 5.5 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 msConstruction : 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)







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PAGE **2/2** ISSUE **25-11-22** SERIE: SPnT PART NUMBER: R574F83820 **DRAWING** RF Continuity TTL input 4 x M3 IN ↔ 1 E1 = 1Depth 4 E2 = 1IN ↔ 2 1.961 E3 = 1 $IN \leftrightarrow 3$ Ø 49.80 E4 = 1 $IN \leftrightarrow 4$ E5 = 1 $\text{IN} \leftrightarrow 5$ E6 = 1 $\text{IN} \leftrightarrow 6$ E7 = 1  $\text{IN} \leftrightarrow 7$ E8 = 1 IN ↔ 8 1.760 ♥ 44.70 [0.256 min.] 6.50 min. Pin terminals LABEL TOP VIEW **RADIALL®** [2.362 max.] 60 max. R574F83820 0 - 26.5 GHz [0.303 max.] 7.70 max. Un: 28V Lot : \_ \_ \_ \_ E1 GND BOTTOM VIEW 1 2.240 0.56.90General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Vcc E1 E2 En Power Input Terminals CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE Actuators

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RF inputs