Technical Data Sheet



SP8T Terminated Ramses SMA 26.5GHz Normally open 28Vdc Positive common Pins Terminals

PAGE 1/2 ISSUE 25-11-22 SERIE : SPnT PART NUMBER : R574F03810

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 : NORMALLY OPEN

Nominal current ** : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position

Switching Time*** : < 15 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: R574F03810 **DRAWING** RF Continuity Voltage 4 x M3 +C -1 $IN \leftrightarrow 1$ Depth 4 +C -2 $IN \leftrightarrow 2$ +C -3 $IN \leftrightarrow 3$ [1.961] Ø49.80 +C -4 $IN \leftrightarrow 4$ +C -5 $\text{IN} \leftrightarrow 5$ +C -6 $IN \leftrightarrow 6$ +C -7 $\text{IN} \leftrightarrow 7$ +C -8 IN ↔ 8 [1.760] Ø 44.70 0.374 min. [0.256 min.] 6.50 min. Pin terminals LABEL TOP VIEW **RADIALL®** R574F03810 [1.969 max.] 50 max. 0 - 26.5 GHz [0.303 max.] 7.70 max. Un: 28V Lot : _ _ _ _ BOTTOM VIEW 2 l 1 2.240 Ø 56.90 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power Input Terminals. +C Actuators

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RF inputs