



SP12T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 28Vdc

BCD TTL Drive Diodes D-sub connector

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## **RF CHARACTERISTICS**

Number of ways : 12

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15	15 - 18
VSWR max	1.20	1.40	1.60	1.70	1.80
Insertion loss max	0.20 dB	0.40 dB	0.60 dB	0.70 dB	0.80 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	50 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W

## **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 500 mA

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

Terminals : 44 pins D-SUB male connector

Self cut-off time : 40 ms < CT < 120 ms

BCD inputs (E) - High level : 3.5 to 5.5 V / 800 $\mu$ A at 5.5 V

- Low level : 0 to 1.5 V / 20μA at 0.8 V

## MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 2.000.000 cycles per position

Switching Time\*\*\* : < 50 msConstruction : Splashproof
Weight : < 400 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 17.12.14 SERIE: SPnT PART NUMBER: **R573F83285 DRAWING** ø68,3 ø55,88 4 holes M3 /90° ø40,64 **BCD TRUTH TABLE** depth 4 mm E4 ЕЗ E2 E1 RF continuity MARKING All ports open 0 0 0 (Forced Reset) 0 0 0 1  $IN \leftrightarrow \mathbf{1}$ 0 0 0  $\text{IN} \leftrightarrow 2$ 0 0 1  $IN \leftrightarrow 3$ 1  $IN \leftrightarrow 4$ 0 1 0 0 0 0 1  $\text{IN} \leftrightarrow 5$ 1 0 1 1 0  $IN \leftrightarrow 6$ 0 1 1 1  $IN \leftrightarrow 7$ 44 pins high density 0 0 1 0  $IN \leftrightarrow 8$ 4-40 UNC D-SUB male connector  $IN \leftrightarrow 9$ 1 0 0 1 1 0 1 0 IN ↔ 10 വ 0 1  $IN \leftrightarrow 11$ 0 0  $IN \leftrightarrow 12$ 1 LABEL TOP VIEW **RADIALL®** ĕ R573F83285 0 - 18 GHz 99 Un: 28V Lot : \_ \_ \_ \_ воттом VIEW 2 General tolerances: ±0.5 mm SCHEMATIC DIAGRAM Power input RIN terminals CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE Actuators RF inputs

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