



SP4T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 28Vdc BCD TTL Diodes D-sub connector

PAGE 1/2 ISSUE 11-04-17 SERIE : SPNT PART NUMBER : R573483485

RF CHARACTERISTICS

Number of ways : 4

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 250 mA

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

Terminals : 25 pins D-SUB male connector

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

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

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

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 5 million cycles per position

Switching Time*** : < 40 ms

Construction : Splashproof

Weight : < 220 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)



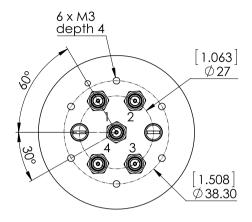




SP4T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 28Vdc BCD TTL Diodes D-sub connector

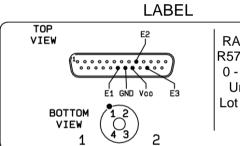
PAGE 2/2 ISSUE 11-04-17 SERIE : SPNT PART NUMBER : R573483485

DRAWING



BCD TRUTH TABLE				
E3	E2	E1	RF continuity	
0	0	0	All ports open (Forced Reset)	
0	0	1	$IN \leftrightarrow 1$	
0	1	0	$IN \leftrightarrow 2$	
0	1	1	$IN \leftrightarrow 3$	
1	0	0	$IN \leftrightarrow 4$	

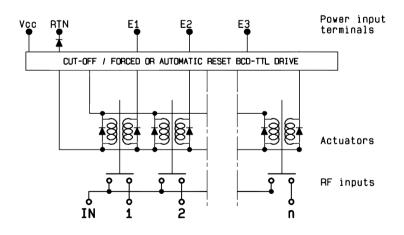
General tolerances: ±0,5 mm [0,02 in]



RADIALL® R573483485 0 - 18 GHz Un : 28V Lot : ____



SCHEMATIC DIAGRAM



This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.