



SP12T Ramses SMA 12.4GHz Latching Self-cut-off Auto-reset Indicators 12Vdc BCD TTL Diodes D-sub connector

PAGE 1/2 ISSUE 16-04-20 SERIE : SPnT PART NUMBER : R573492285

#### RF CHARACTERISTICS

Number of ways : 12

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1.20	1.40	1.60
Insertion loss max	0.20 dB	0.40 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	240 W	150 W	120 W

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 1280 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

Terminals : 44 pins D-SUB male connector

 $\label{eq:localization} \mbox{Indicator rating} \qquad \qquad : \ 1 \ \mbox{W} \ / \ 100 \ \mbox{mA} \\ \mbox{Self cut-off time} \qquad \qquad : \ 40 \ \mbox{ms} < \mbox{CT} < 120 \ \mbox{ms} \\ \mbox{N} \ \mbox{M} \ \mbox{M} \ \mbox{M} \\ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \\ \mbox{M} \ \mbox{M} \mbox{M} \ \mb$ 

BCD inputs (E) - High level : 3.5 to 5.5 V / 800μA 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 million 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)



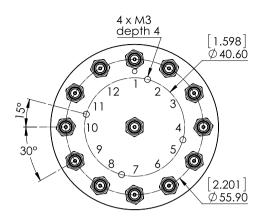


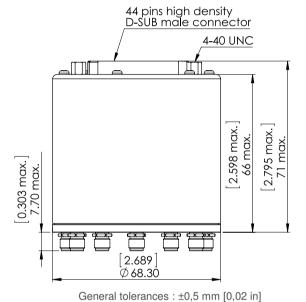


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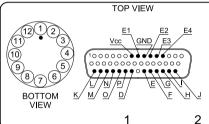
#### **DRAWING**





	BCD TRUTH TABLE						
E4	E3	E2	E1	RF continuity	Ind.		
0	0	0	0	All ports open (Forced Reset)			
0	0	0	1	$IN \leftrightarrow 1$	D.E		
0	0	1	0	$IN \leftrightarrow 2$	D.F		
0	0	1	1	$IN \leftrightarrow 3$	D.G		
0	1	0	0	$IN \leftrightarrow 4$	D.H		
0	1	0	1	$IN \leftrightarrow 5$	D.I		
0	1	1	0	$IN \leftrightarrow 6$	D.J		
0	1	1	1	$IN \leftrightarrow 7$	D.K		
1	0	0	0	$IN \leftrightarrow 8$	D.L		
1	0	0	1	IN ↔ 9	D.M		
1	0	1	0	IN ↔ 10	D.N		
1	0	1	1	IN ↔ 11	D.O		
1	1	0	0	IN ↔ 12	D.P		

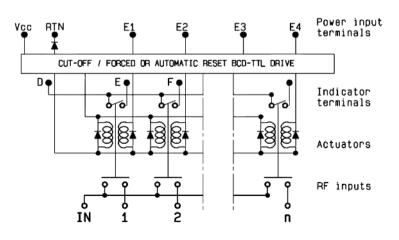
# **LABEL**



RADIALL® R573492285 0 - 12.4 GHz Un : 12V Lot : \_\_\_\_



## SCHEMATIC DIAGRAM



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