



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

 $\begin{tabular}{ll} Indicator rating & : 1 \, W \, / \, 30 \, V \, / \, 100 \, mA \\ Self \, cut-off \, time & : 40 \, ms < CT < 120 \, ms \\ \end{tabular}$ 

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)



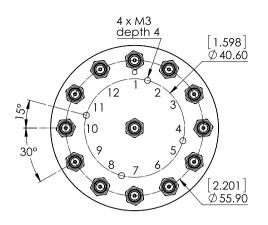


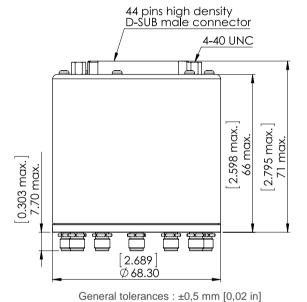


SP12T Ramses SMA 12.4GHz Latching Self-cut-off Auto-reset Indicators 12Vdc BCD TTL Diodes D-sub connector

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

#### **DRAWING**





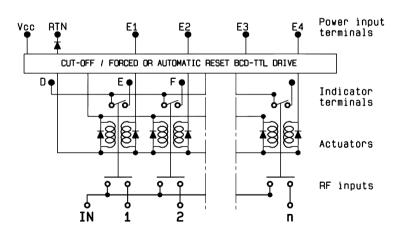
BCD TRUTH TABLE						
E4	E3	E2	E1	RF continuity	Ind.	
0	0	0	0	All ports open (Forced Reset)		
0	0	0	1	$IN \leftrightarrow 1$	D.E	
0	0	1	0	$IN \leftrightarrow 2$	D.F	
0	0	1	1	$IN \leftrightarrow 3$	D.G	
0	1	0	0	$IN \leftrightarrow 4$	D.H	
0	1	0	1	$IN \leftrightarrow 5$	D.I	
0	1	1	0	$IN \leftrightarrow 6$	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



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.