## **Technical Data Sheet**



SP6T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc BCD TTL Diodes D-sub connector

PAGE 1/2 ISSUE 11-04-17 SERIE : SPnT PART NUMBER : R574493685

#### RF CHARACTERISTICS

Number of ways : 6

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

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 375 mA

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

Terminals : 25 pins D-SUB male connector

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 / 20 $\mu$ A at 0.8 V

## MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 40 ms Construction : Splashproof Weight : < 250 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)



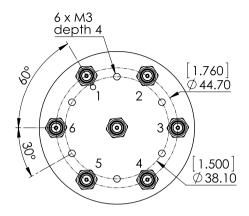


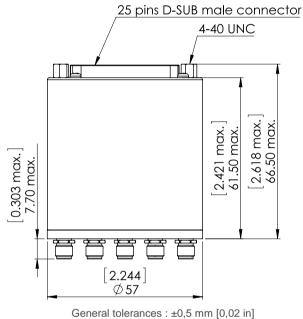


SP6T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc BCD TTL Diodes D-sub connector

PAGE 2/2 ISSUE 11-04-17 SERIE : SPnT PART NUMBER : R574493685

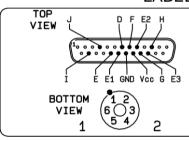
#### **DRAWING**





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

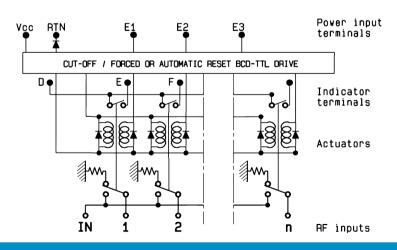
# LABEL



RADIALL® R574493685 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.

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radiall:

R574493685