Technical Data Sheet



SP6T Terminated Ramses SMA2.9 40GHz Latching Self-cut-off Auto-reset Indicators 28Vdc Positive common Diodes D-sub connector

PAGE 1/2 ISSUE 12-09-22 SERIE : SPnT PART NUMBER : R574893615

RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1,30	1,40	1,50	1,70	2,20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 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) / POSITIVE COMMON

Terminals : 25 pins D-SUB male connector

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

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : < 40 msConstruction : 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)



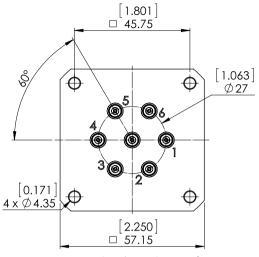




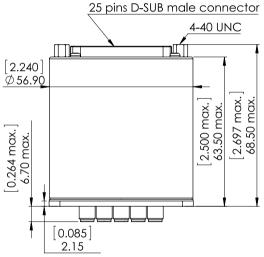
SP6T Terminated Ramses SMA2.9 40GHz Latching Self-cut-off Auto-reset Indicators 28Vdc Positive common Diodes D-sub connector

PAGE 2/2 ISSUE 12-09-22 SERIE : SPnT PART NUMBER : R574893615

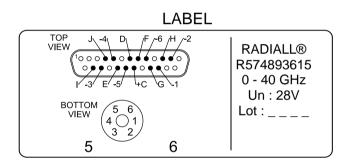
DRAWING



Voltage	RF Continuity	Ind.
+C -1	$IN \leftrightarrow 1$	D.G
+C -2	$IN \leftrightarrow 2$	D.H
+C -3	$IN \leftrightarrow 3$	D.I
+C -4	$IN \leftrightarrow 4$	D.J
+C -5	IN ↔ 5	D.E
+C -6	IN ↔ 6	D.F

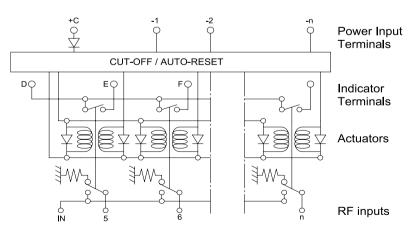


General tolerances: ±0,5 mm [0,02 in]





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.