Technical Data Sheet



SP5T Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc Diodes D-sub connector

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573493505

RF CHARACTERISTICS

Number of ways : 5

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 ** : 375 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE 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 female per MIL-C 39012 Life : 5 million cycles per position

Switching Time*** : < 40 msConstruction : 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)



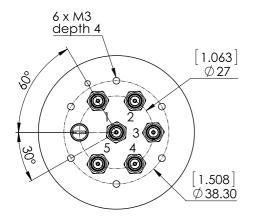




SP5T Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 28Vdc Diodes D-sub connector

PAGE 2/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573493505

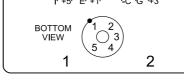
DRAWING



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

25 pins D-SUB male connector 4-40 UNC [2.421 max.] [2.2618 max.] [2.618 max.] [2.5618 max.] [2.5618 max.]

General tolerances: ±0,5 mm [0,02 in]

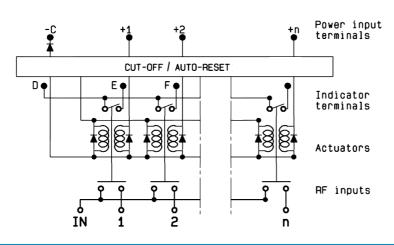


TOP VIEW RADIALL® R573493505 0 - 18 GHz Un : 28V Lot : _ _ _



LABEL

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.