Technical Data Sheet



SP6T Terminated Ramses 2.4mm 50GHz Latching Self-cut-off Auto-reset 28Vdc Positive common Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 50 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50
VSWR max	1.30	1.40	1.50	1.70	1.90	2.20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	0.90 dB	1.20 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W	3 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

Self cut-off time : 40 ms < CT < 120 ms

MECHANICAL CHARACTERISTICS

Connectors : 2.4mm female (Accoding to IEEE STD 287)

Life : 2 million cycles per position

Switching Time*** : < 40 msConstruction : Splashproof
Weight : < 250 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°C
Storage temperature range : -40°C to +85°C

(* Average power at 25°C per RF Path)

(** At 25° C ±10%)

(*** Nominal voltage; 25° C)







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PAGE 2/2 ISSUE 26-07-21 SERIE: SPnT PART NUMBER: **R574J83615 DRAWING** [1.801] 45.75 1.063 Voltage RF Continuity Ф Ф Ø 27 +C -1 $IN \leftrightarrow \mathbf{1}$ +C -2 $IN \leftrightarrow 2$ +C -3 $IN \leftrightarrow 3$ +C -4 IN ↔ 4 IN ↔ 5 +C -5 0.171 +C -6 $IN \leftrightarrow 6$ $4 \times \emptyset 4.35$ Ф [2.250] □ 57.15 25 pins D-SUB male connector 4-40 UNC **LABEL** TOP VIEW [2.240] **RADIALL®** Ø 56.90 0000000000000 R574J83615 00,00,,000 [2.500 max.] 63.50 max. 0 - 50 GHz Un: 28V [0.264 max.] 6.70 max. BOTTOM VIEW Lot : _ _ _ _ 5 6 0.085 2.15 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input Sensitive connector: To avoid irreversible damage during any connexions, ensure that the center contact is aligned with the female socket terminals CUT-OFF / AUTO-RESET Actuators

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RF inputs

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