# **Technical Data Sheet**



SP10T Ramses SMA 22GHz Latching Self-cut-off Auto-reset 28Vdc

Diodes D-sub connector

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#### RF CHARACTERISTICS

Number of ways : 10

Frequency range : 0 - 22 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15.5	15.5 - 18	18 - 22
VSWR max	1.20	1.30	1.40	1.50	1.70	1.80
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	55 dB	55 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W	90 W

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 500 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / NEGATIVE COMMON

Terminals : 25 pins D-SUB male connector

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

#### MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 50 msConstruction : Splashproof
Weight : < 360 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)







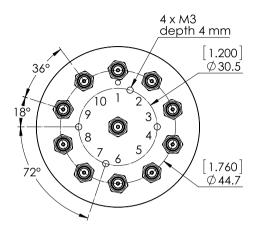
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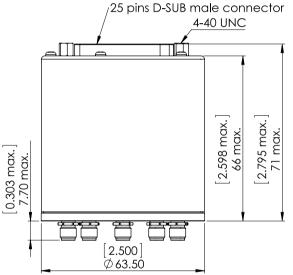
# **DRAWING**

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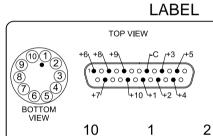


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Voltage	RF Continuity		
-C +1	$IN \leftrightarrow 1$		
-C +2	$IN \leftrightarrow 2$		
-C +3	$IN \leftrightarrow 3$		
-C +4	$IN \leftrightarrow 4$		
-C +5	IN ↔ 5		
-C +6	IN ↔ 6		
-C +7	$IN \leftrightarrow 7$		
-C +8	IN ↔ 8		
-C +9	IN ↔ 9		
-C +10	IN ↔ 10		



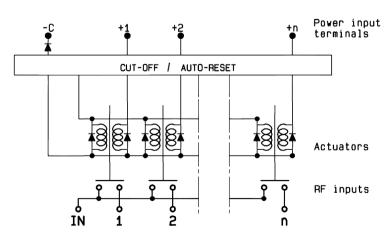
General tolerances: ±0,5 mm [0,02 in]



RADIALL® R573F83005 0 - 22 GHz Un : 28V Lot : \_\_\_\_\_



### SCHEMATIC DIAGRAM



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