## **Technical Data Sheet**



SP12T Terminated Ramses SMA 18GHz Latching 28Vdc Positive common

Diodes Solder pins

PAGE 1/2 ISSUE 15.01.14 SERIE : SPNT PART NUMBER : R574F23240

#### RF CHARACTERISTICS

Number of ways : 12

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15	15 - 18
VSWR max	1.20	1.40	1.60	1.70	1.80
Insertion loss max	0.20 dB	0.40 dB	0.60 dB	0.70 dB	0.80 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	50 dB
Average power (*)	240 W	150 W	120 W	110 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 \*\* : 125 mA / RESET : 1500 mA \*\*\*\*

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

Terminals : solder pins (250°C max. / 30 sec.)

### MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
Life : 2.000.000 cycles per position

Switching Time\*\*\* : < 15 msConstruction : Splashproof
Weight : < 400 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)

(\*\*\*\* Reset : supply voltage time 1sec. max. / duty cycle 10%)

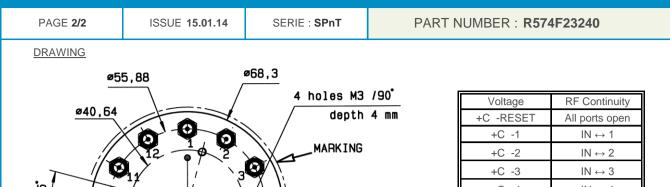


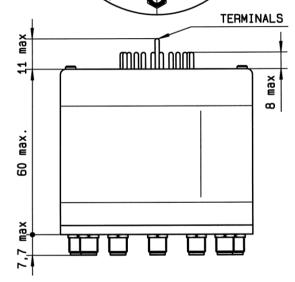
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Voltage	RF Continuity		
+C -RESET	All ports open		
+C -1	$IN \leftrightarrow 1$		
+C -2	$IN \leftrightarrow 2$		
+C -3	$IN \leftrightarrow 3$		
+C -4	$IN \leftrightarrow 4$		
+C -5	$IN \leftrightarrow 5$		
+C -6	$IN \leftrightarrow 6$		
+C -7	$IN \leftrightarrow 7$		
+C -8	$IN \leftrightarrow 8$		
+C -9	IN ↔ 9		
+C -10	IN ↔ 10		
+C -11	IN ↔ 11		
+C -12	IN ↔ 12		

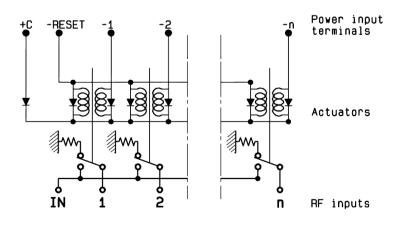
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RADIALL® R574F23240 0 - 18 GHz Un : 28V Lot : \_ \_ \_ \_



General tolerances: ±0.5 mm

## SCHEMATIC DIAGRAM



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