

PAGE **1/2**

ISSUE **04.08.14**

SERIE : **SPnT**

PART NUMBER : **R583833121**

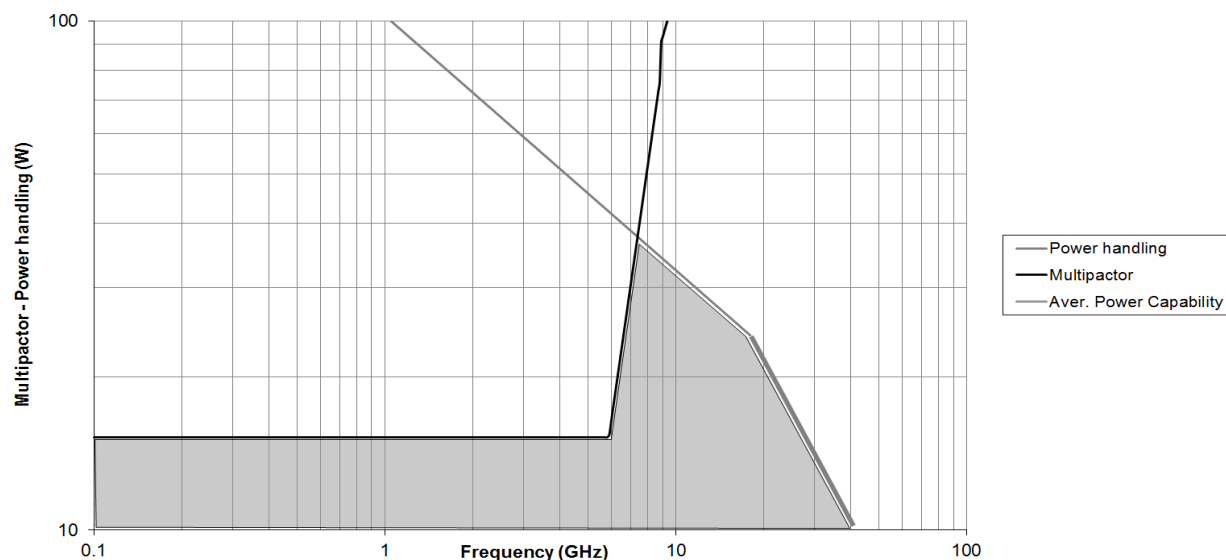
RF CHARACTERISTICS

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	0.30 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

SWITCH REPEATABILITY : 0.03 dB peak change in insertion loss over 100 cycles

Multipactor and Power handling under vacuum with no margin



ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**
 Nominal current ** : **125 mA**
 Actuator voltage (Vcc) : **28V (24 to 30V) / POSITIVE COMMON**
 Terminals : **25 pins D-SUB male connector**
 Indicator rating : **1 W / 30 V / 100 mA**

MECHANICAL CHARACTERISTICS

Connectors : **SMA 2.9 female per MIL-C 39012**
 Life : **2.000.000 cycles per position**
 Switching Time*** : **< 15 ms**
 Construction : **Vacuum compatible**
 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 (sea level))

(**) At 25° C ±10%)

(***) Nominal voltage ; 25° C)



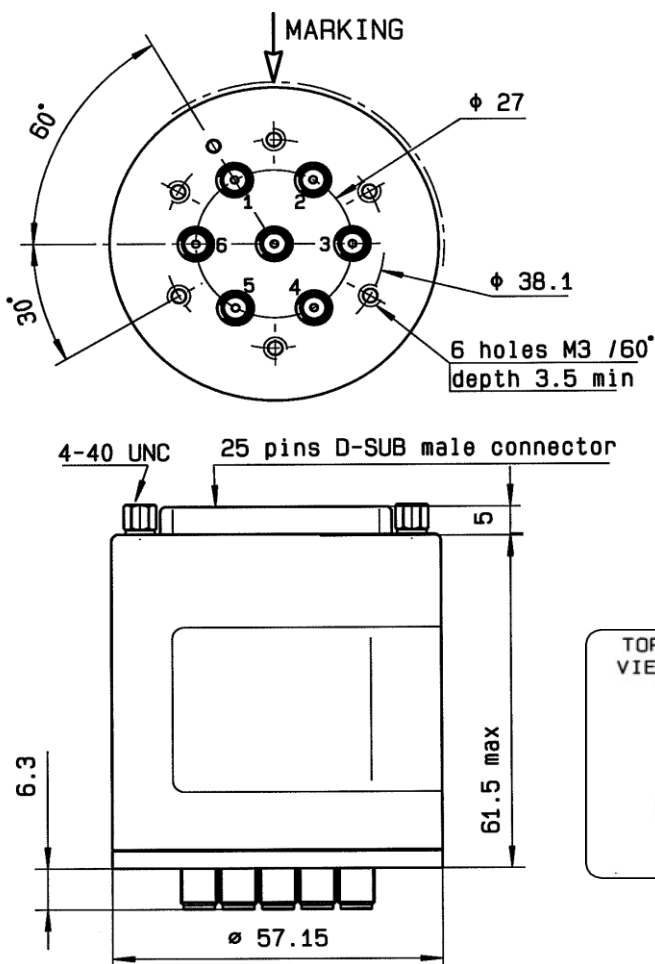
PAGE 2/2

ISSUE 04.08.14

SERIE : SPnT

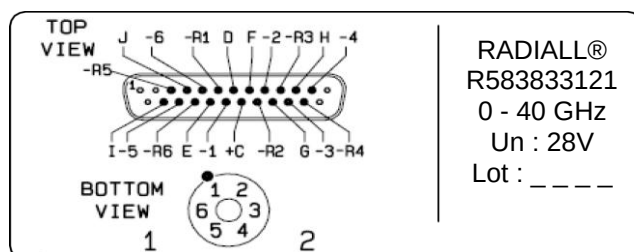
PART NUMBER : **R583833121**

DRAWING



Voltage	RF Continuity	Ind.
+C -1	IN ↔ 1	D.E
+C -R1	Open	--
+C -2	IN ↔ 2	D.F
+C -R2	Open	--
+C -3	IN ↔ 3	D.G
+C -R3	Open	--
+C -4	IN ↔ 4	D.H
+C -R4	Open	--
+C -5	IN ↔ 5	D.I
+C -R5	Open	--
+C -6	IN ↔ 6	D.J
+C -R6	Open	--

LABEL



General tolerances : ±0.5 mm

SCHEMATIC DIAGRAM

