

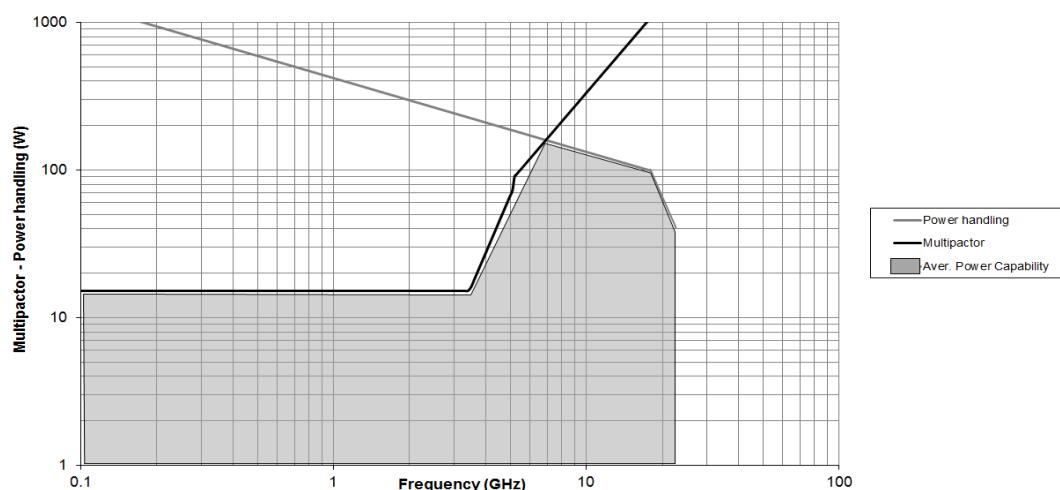
RF CHARACTERISTICS

Number of ways : 6
Frequency range : 0 - 22 GHz
Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18 - 22
VSWR max	1.20	1.30	1.40	1.50	1.70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	50dB
Average power (*)	240 W	150 W	120 W	100 W	40 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 female per MIL-C 39012
Life : 5.000.000 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)



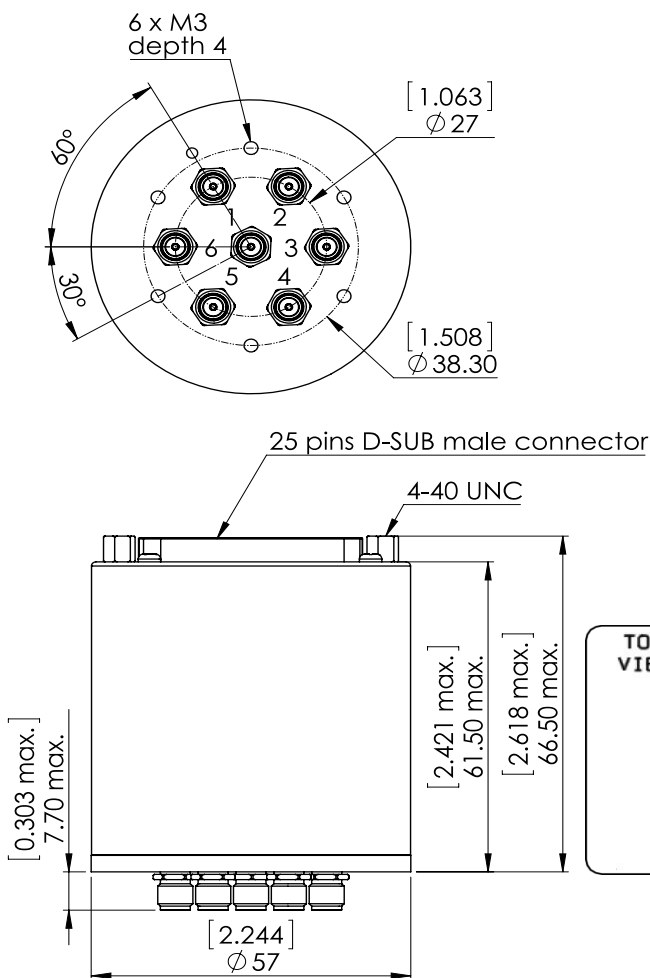
PAGE 2/2

ISSUE 12-09-16

SERIE : SPnT

PART NUMBER : **R583F33121**

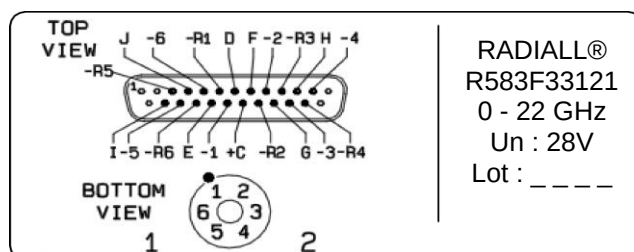
DRAWING



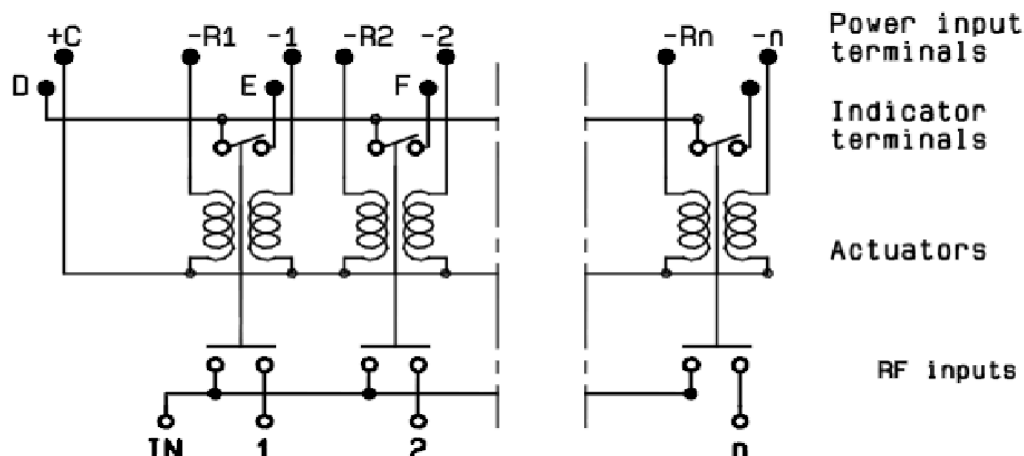
General tolerances : ± 0.5 mm [0.02 in]

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

LABEL



SCHEMATIC DIAGRAM



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radial:

R583F33121