

RF CHARACTERISTICS

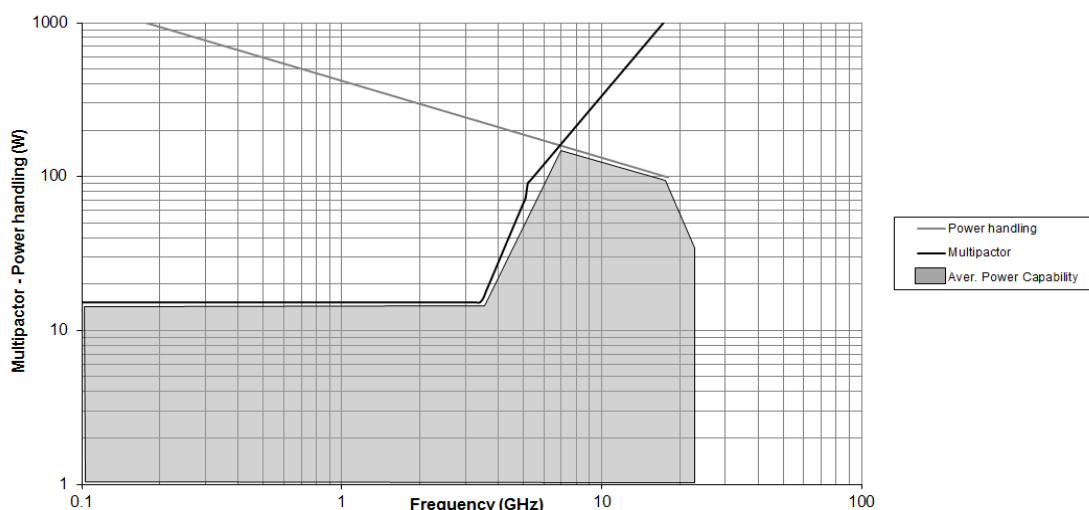
Frequency range : 0 - 22 GHz

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	55 dB
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 ** : 80 mA
 Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON
 Terminals : solder pins (250°C max. / 30 sec.)
 Indicator rating : 1 W / 30 V / 100 mA
 Self cut-off time : 40 ms < CT < 120 ms

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
 Life : 10 million cycles
 Switching Time*** : < 10 ms
 Construction : Vacuum compatible
 Weight : < 45 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)



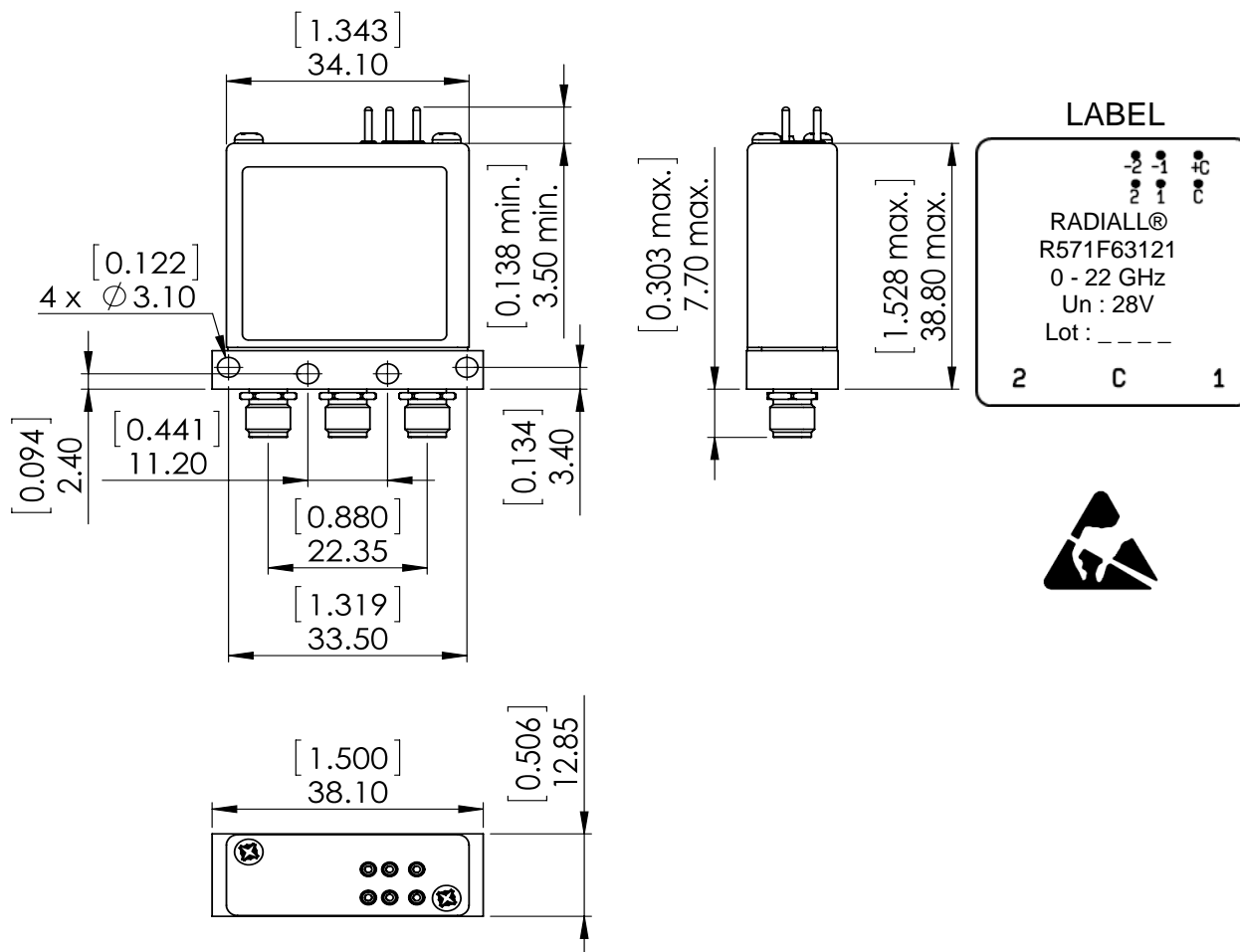
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SERIE : SPDT

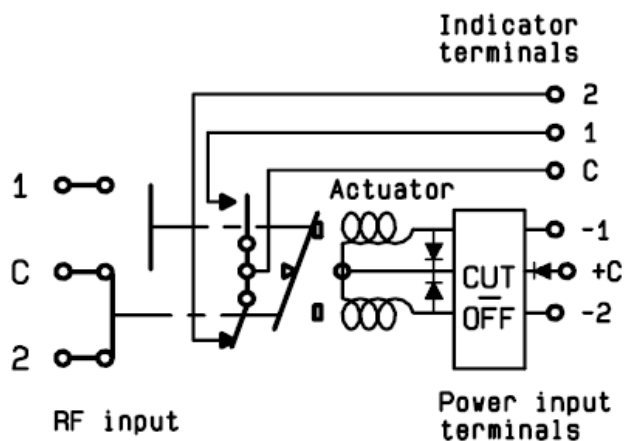
PART NUMBER : R571F63121

DRAWING



General tolerances : ± 0.5 mm [0.02 in]

SCHEMATIC DIAGRAM



Voltage	RF Continuity	Ind.
+C -1	C ↔ 1	C.1
+C -2	C ↔ 2	C.2