Technical Data Sheet

Terminated 4 ports bypass Ramses 2.4mm 50GHz Latching Self-cut-off
28Vdc TTL Diodes External loads Pins terminals

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RF CHARACTERISTICS

Frequency range : **0 - 50 GHz**
Impedance : **50 Ohms**

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50
VSWR max	1.30	1.40	1.50	1.70	1.90	1.90
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W	5 W

ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**
Nominal current ** : **160 mA**
Actuator voltage (Vcc) : **28V (24 to 30V)**
Terminals : **solder pins (250°C max. / 30 sec.)**
Self cut-off time : **40 ms < CT < 120 ms**
TTL inputs (E) - High level : **2.2 to 5.5 V / 800µA at 5.5 V**
- Low level : **0 to 0.8 V / 20µA at 0.8 V**

MECHANICAL CHARACTERISTICS

Connectors : **2.4mm female (Accoding to IEEE STD 287)**
Life : **2 million cycles**
Switching Time*** : **< 10 ms**
Construction : **Splashproof**
Weight : **< 100 g**

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-25°C to +70°C**
Storage temperature range : **-40°C to +85°C**

(* Average power at 25°C per RF Path)
(** At 25° C ±10%)
(*** Nominal voltage ; 25° C)

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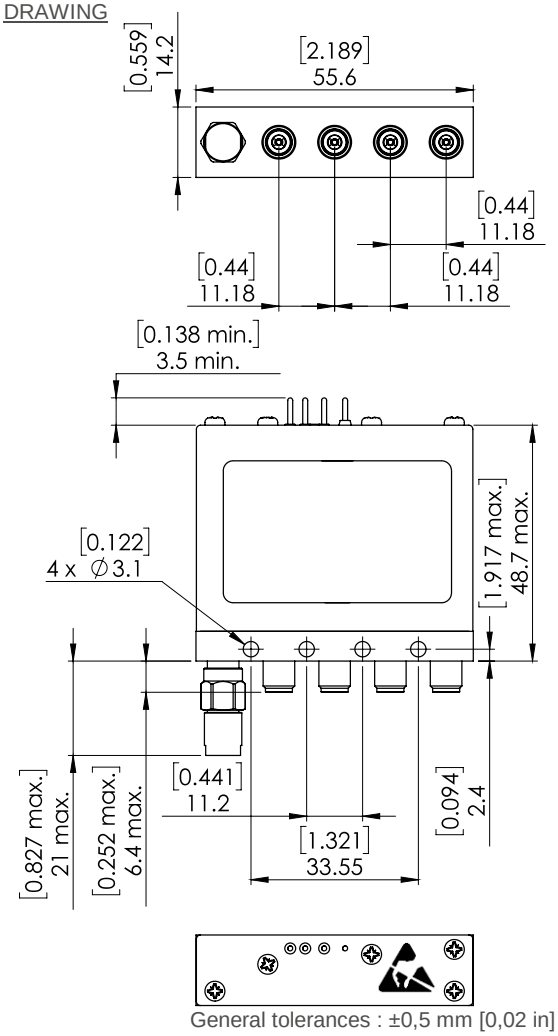
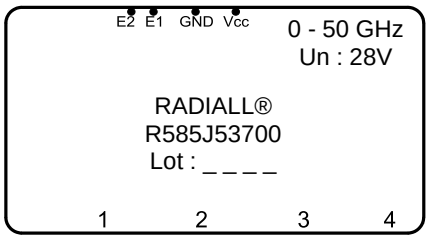
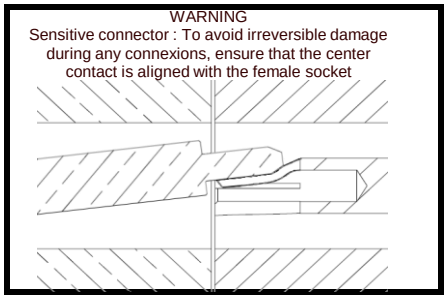
DRAWING



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

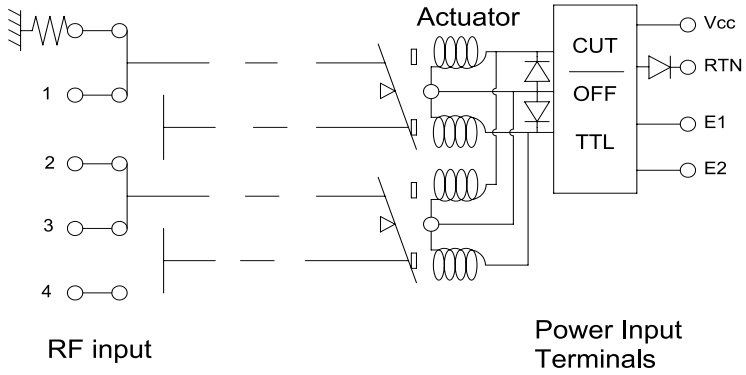
LABEL





SCHEMATIC DIAGRAM

50 Ω Termination



TTL input	RF Continuity
E1=1 / E2=0	50Ω↔1 / 2↔3
E1=0 / E2=1	1↔2 / 3↔4
E1=0 / E2=0	Memory
E1=1 / E2=1	Forbidden