Technical Data Sheet

SP5T Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators
28Vdc TTL Drive Diodes Solder pins

RF CHARACTERISTICS

Number of ways	: **5**
Frequency range	: **0 - 18 GHz**
Impedance	: **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator		: **LATCHING**
Nominal current **		: **375 mA**
Actuator voltage (Vcc)		: **28V (24 to 30V)**
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**
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

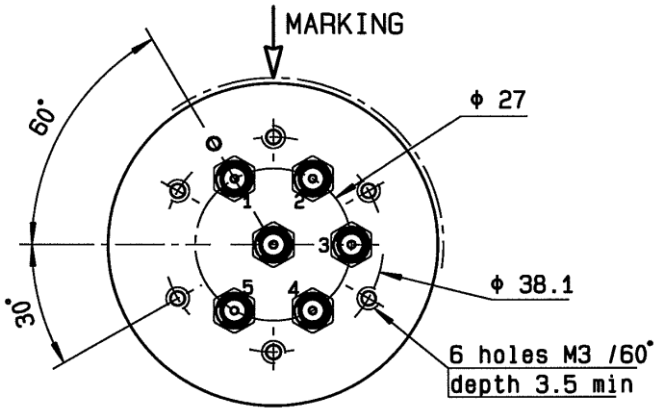
Connectors	: **SMA female per MIL-C 39012**
Life	: **5.000.000 cycles per position**
Switching Time***	: **< 40 ms**
Construction	: **Splashproof**
Weight	: **< 220 g**

ENVIRONMENTAL CHARACTERISTICS

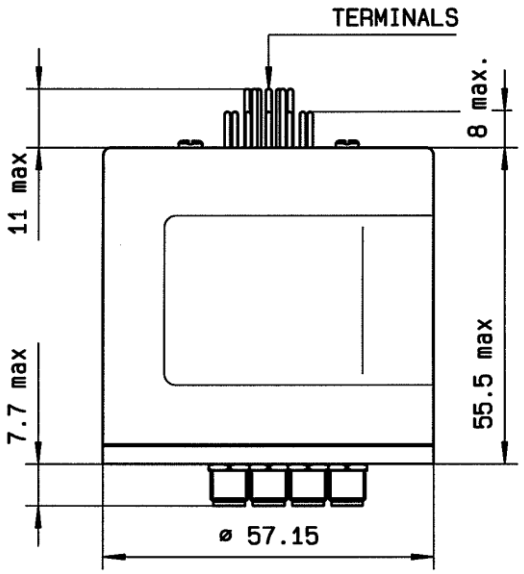
Operating temperature range	: **-40°C to +85°C**
Storage temperature range	: **-55°C to +85°C**

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

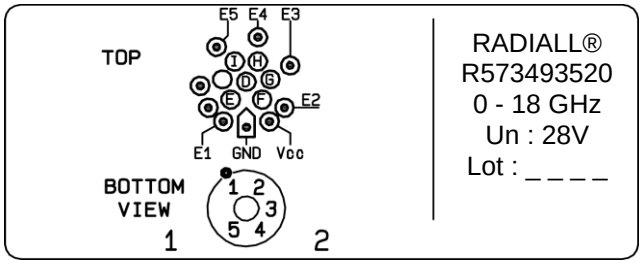
DRAWING



TTL input	RF Continuity	Ind.
E1 = 1	IN ↔ 1	D.E
E2 = 1	IN ↔ 2	D.F
E3 = 1	IN ↔ 3	D.G
E4 = 1	IN ↔ 4	D.H
E5 = 1	IN ↔ 5	D.I



LABEL



General tolerances : ±0.5 mm

SCHEMATIC DIAGRAM