



**40 GHz SMA 2.9 fem LATCHING TRANSFER SWITCH**

OPTIONS: INDICATOR / TTL DRIVE

**R F CHARACTERISTICS**

FREQUENCY RANGE : 0 - 40 GHz  
IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 6	6 -12.4	12.4- 18	18 -26.5	26.5- 40
V.S.W.R	<= 1.30	1.40	1.50	1.70	1.90
INSERT. LOSS	<= 0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB
ISOLATION	>= 70 dB	60 dB	60 dB	55 dB	50 dB
AVER. POWER (*)	80 W	60 W	50 W	20 W	10 W

**ELECTRICAL CHARACTERISTICS**

ACTUATOR : LATCHING  
NOMINAL CURRENT AT 25°C (±10%) : 320 mA  
ACTUATOR VOLTAGE (V<sub>cc</sub>) : 12V (10.2 to 13V)/ NEGATIVE COMMON  
TERMINALS : solder pins (250 Deg.C max./30 sec)  
INDICATOR RATING : 1 W / 30 V / 100 mA  
TTL INPUTS (E) - High level : 2.2 to 5.5V / 800µA at 5V  
- Low level : 0 to 0.8V / 20µA at 0.8V

**MECHANICAL CHARACTERISTICS**

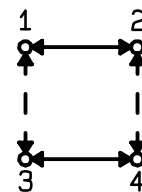
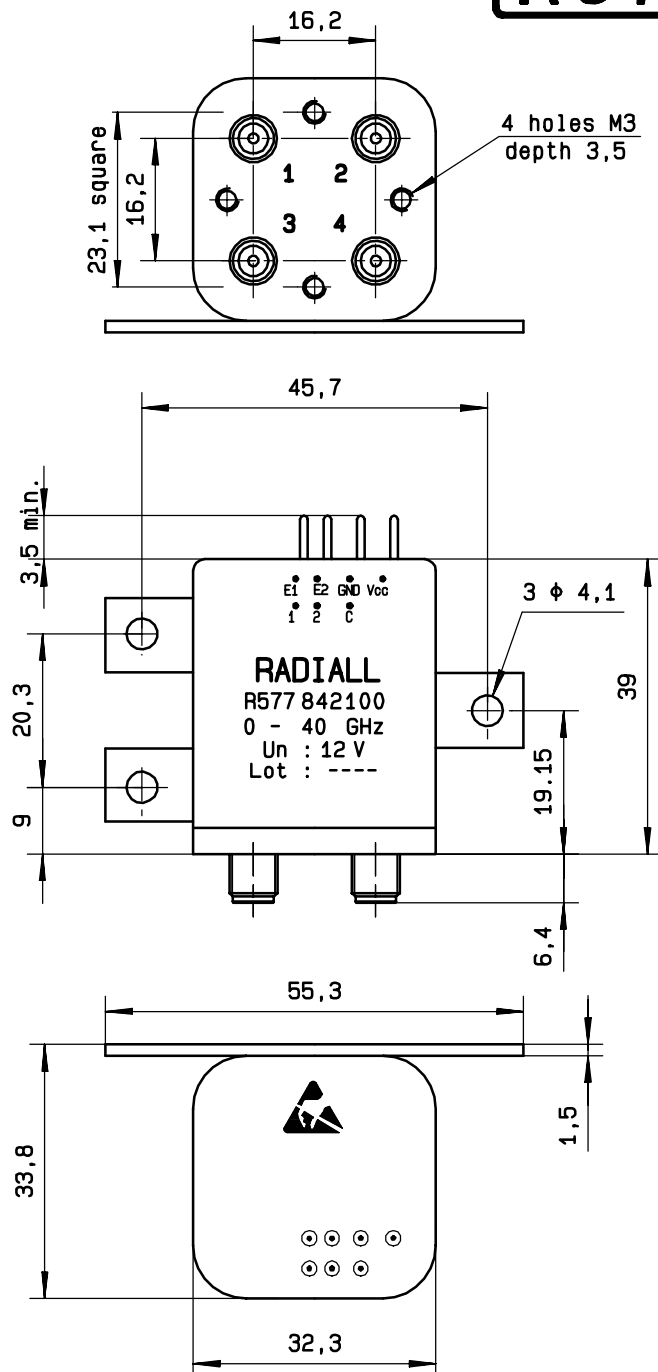
CONNECTORS : SMA 2.9 fem per MIL C 39012  
LIFE : 2.500.000 cycles  
SWITCHING TIME (nominal voltage;25°C) : < 15 ms  
CONSTRUCTION : splashproof  
WEIGHT : < 85 g

**ENVIRONMENTAL CHARACTERISTICS**

OPERATING TEMPERATURE RANGE (°C) : -40 , +85  
STORAGE TEMPERATURE RANGE (°C) : -55 , +85

(\* : average power at 25°C)

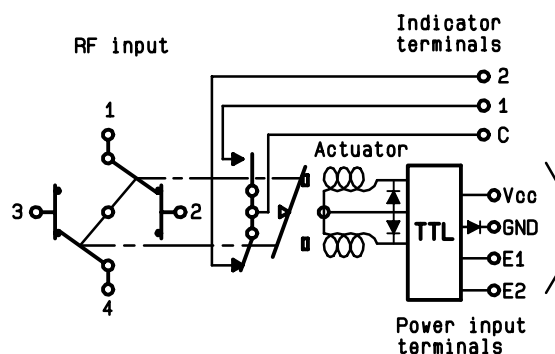
## DRAWING



General tolerance:  $\pm 0,5$  mm

## SCHEMATIC DIAGRAM

TTL input	RF continuity	Indicator
E1=1   E2=0	1↔3 2↔4	C . 1
E1=0   E2=1	1↔2 3↔4	C . 2
E1=0   E2=0	Memory	—
E1=1   E2=1	Forbidden	—



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