

**40 GHz SMA 2.9 fem LATCHING TRANSFER SWITCH**Page
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OPTIONS: INDICATOR / SELF CUT-OFF

R F CHARACTERISTICS

FREQUENCY RANGE

: 0 - 40 GHz

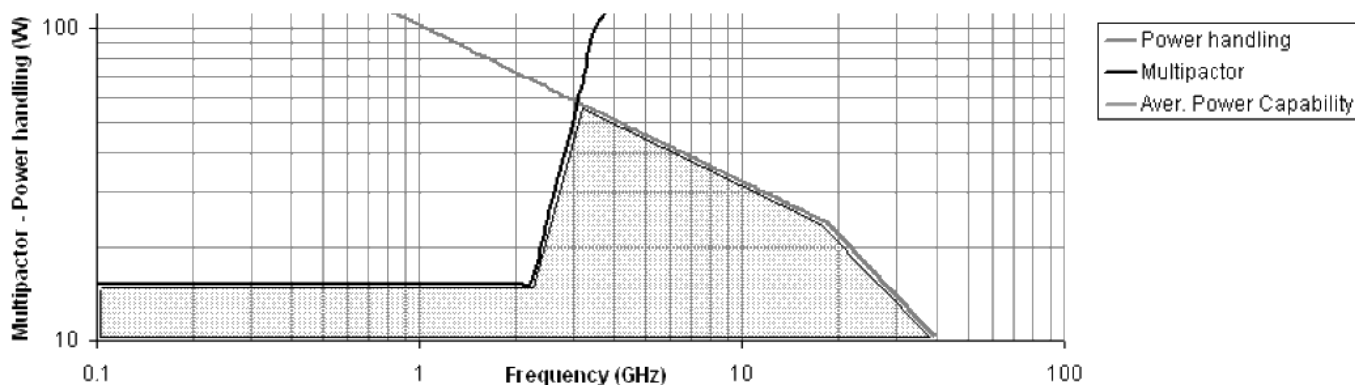
IMPEDANCE

: 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

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 AT 25°C (*10%)

: 125 mA

ACTUATOR VOLTAGE (Vcc)

: 28V (24 to 30V) / POSITIVE COMMON

TERMINALS

: D-sub 9 pins

INDICATOR RATING

: 1 W / 30 V / 100 mA

SELF CUT-OFF TIME

: 40 ms < CT < 120 ms

MECHANICAL CHARACTERISTICS

CONNECTORS

: SMA 2.9 fem per MIL C 39012

LIFE

: 2.500.000 cycles

SWITCHING TIME (nominal voltage; 25°C)

: < 10 ms

CONSTRUCTION

: Vacuum compatible

WEIGHT

: < 100 g

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE

: (°C) : -40 , +85

STORAGE TEMPERATURE RANGE

: (°C) : -55 , +85

(* : average power at sea level)

CREATION

N° :

PEN/EP:

Name: BG

Date: 05. May. 06

APP.: LJ

26 / 01 / 12 switching time : de 15 ms à 10 ms

25/01/11 Ajout du graphique Multipactor & Power handling

22.Sep.09 Frequency range: 0 - 32GHz --> 0 - 40GHz

ISSUE

REVISIONS

NG

PG

AF

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LJ

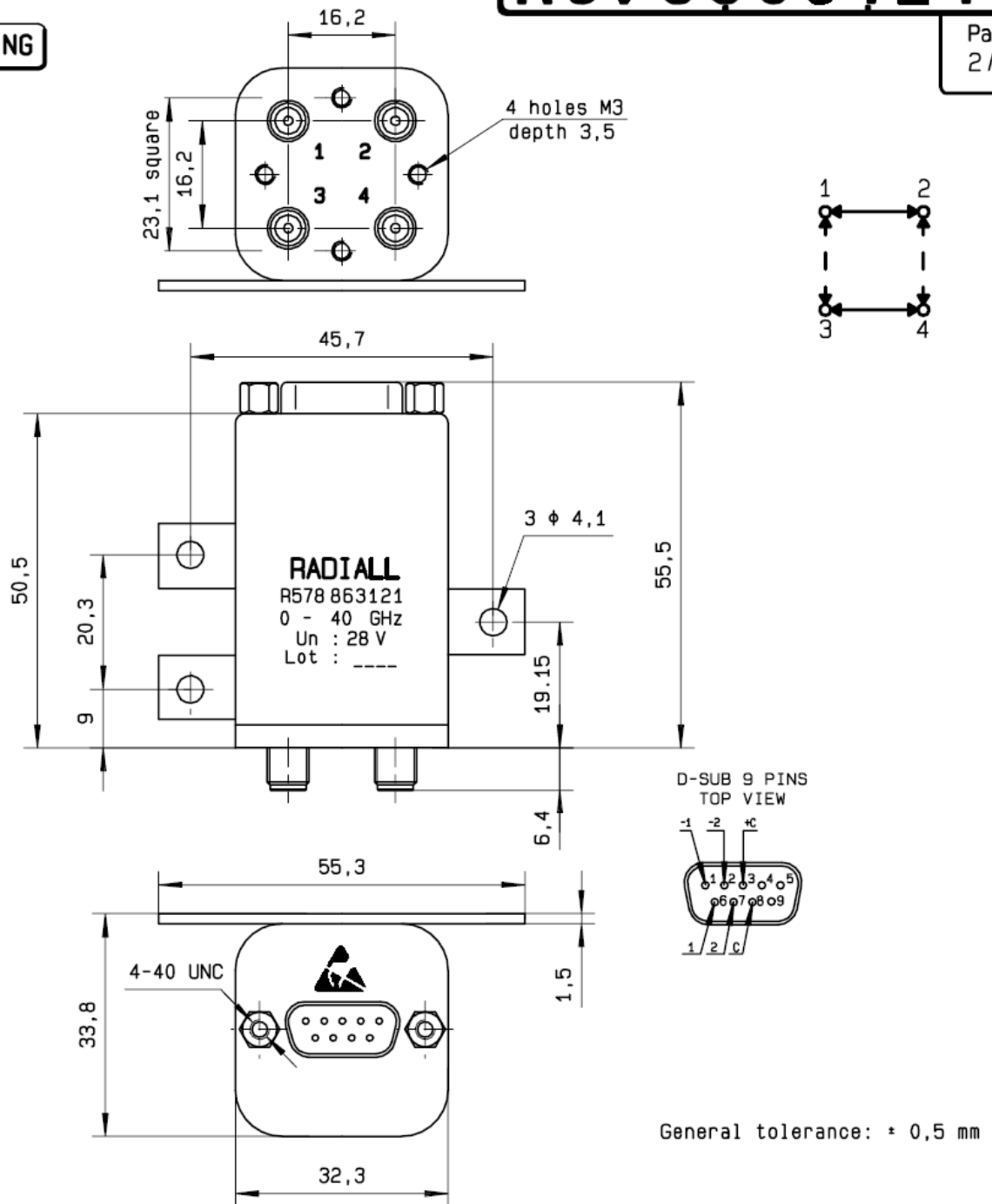
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DRAWING



SCHEMATIC DIAGRAM

Voltage	RF continuity	Indicator
+ C - 1	1 ↔ 3 2 ↔ 4	C . 1
+ C - 2	1 ↔ 2 3 ↔ 4	C . 2

