

## **Technical Data Sheet**

SP6T Ramses SMA 18GHz Normally open 28Vdc BCD TTL Diodes Pins Terminals

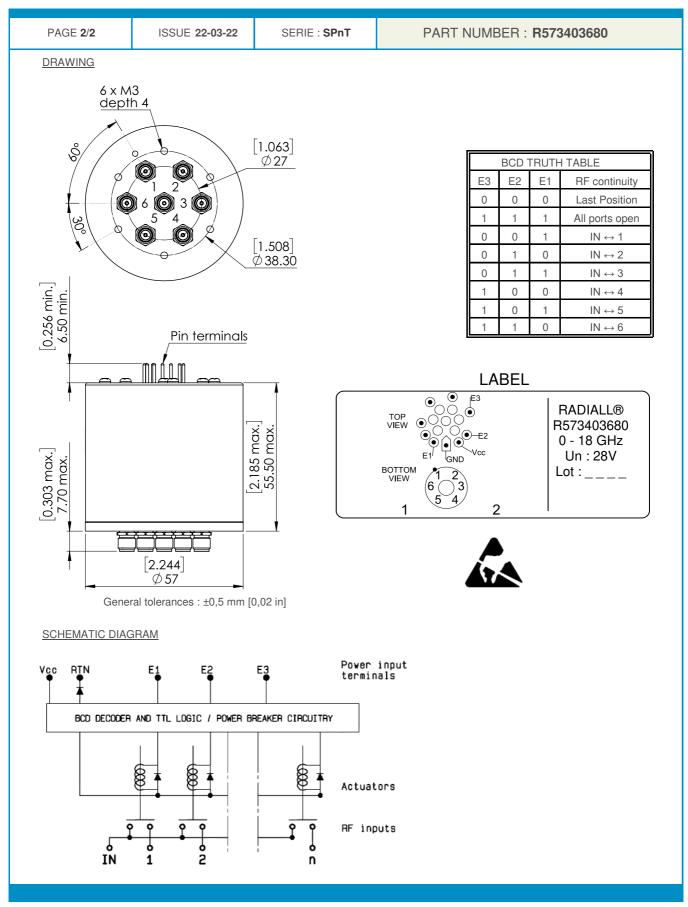
BY CHARACTERISTICS    Number of ways  : 6    Frequency range  : 0 - 18 GHz    Impedance  : 50 Ohms    Strangency (GHz)  DC - 3  3 - 8  8 - 12.4  12.4 - 18    VSWR max  1.20  1.30  1.40  1.50    Insertion loss max  0.20 dB  0.30 dB  0.40 dB  0.50 dB    Insertion loss max  0.20 dB  0.30 dB  0.40 dB  0.50 dB    Average power (*)  240 W  150 W  100 W    Average power (*)  240 W  150 W  100 W    ELECTRICAL CHARACTERISTICS    Actuator  : NORMALLY OPEN    Nominal current **  : 102 mA    Actuator voltage (Vcc)  : 28V (24 to 30%)    Terminals  : solder pins (25°C max, / 30 sec.)    BCD inputs (E)  · High level  : 3.5 to 5.5 V / 800µA at 0.8 V    MECHANICAL CHARACTERISTICS  : Low level  : 0 to 1.5 V / 20µA at 0.8 V    Meight  : 40°C to +85°C  : 50 million cycles per position    Switching Time***  : 415 mS  : 50 million cycles per position    Weight  : 420 °C to +85°C  : 55°C to	PAGE 1/2 ISSUE 22-03-22		3-22 SER	IE : SPnT	PART NUMBER : <b>R573403680</b>	
<text>    Prequency range  20 0 13 0 14 0 15 0 10 15 0 10 15 0 10 15 0 10 15 0 10 15 0 10 15 0 10 15 0 10 0 10 0 0 0</text>	RF CHARACTERI	<u>STICS</u>				
<text></text>	Ni una la cura di cu			. 6		
Impedance  : 50 Ohms    Impedance  : 150 Ohd 0h						
Image: A start of the second start						
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    ::::::::::::::::::::::::::::::::::::	impedance					
VSWR max    1.20    1.30    1.40    1.50      Issertion 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	Frequency (	GHz) D	C-3 3-8	8 - 12.4	12.4 - 18	
Isolation min  80 dB  70 dB  60 dB  60 dB    Average power (*)  240 W  150 W  120 W  100 W    ELECTRICAL CHARACTERISTICS    Actuator  : NORMALLY OPEN    Nominal current **  : 102 mA    Actuator voltage (Vcc)  :: 28V (24 to 30V)    Terminals  :: solder pins (250°C max. / 30 sec.)    BCD inputs (E)  - High level  :: 3.5 to 5.5 V / 800µA at 5.5 V    - Low level  : 0 to 1.5 V / 20µA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms			1.20 1.30	1.40	1.50	
Average power (*)  240 W  150 W  120 W  100 W    ELECTRICAL CHARACTERISTICS    Actuator  : NORMALLY OPEN    Nominal current **  : 102 mA    Actuator voltage (Vcc)  :: 28V (24 to 30V)    Terminals  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  - High level  :: 3.5 to 5.5 V / 800µÅ at 5.5 V    - Low level  :: 0 to 1.5 V / 20µÅ at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  :: SMA female per MIL-C 39012    Life  :: 5 million cycles per position    Switching Time***  :: < 15 ms	Insertion los	s max 0.2	20 dB 0.30 dE	0.40 dB	0.50 dB	
ELECTRICAL CHARACTERISTICS    Actuator  : NORMALLY OPEN    Nominal current **  : 102 mA    Actuator voltage (Vcc)  : 28V (24 to 30V)    Terminals  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  . High level  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  . High level  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  . High level  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  . High level  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  . High level  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  . High level  : 0 to 1.5 V / 20µA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : 415 ms    Construction  : Splashproof    Weight  : < 220 g	Isolation min				60 dB	
Actuator  : NORMALLY OPEN    Nominal current **  : 102 mA    Actuator voltage (Vcc)  : 28V (24 to 30V)    Terminals  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  . High level  : 3.5 to 5.5 V / 800µA at 5.5 V    . Low level  : 0 to 1.5 V / 20µA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms	Average pov	wer (*) 24	40 W 150 W	120 W	100 W	
Actuator  : NORMALLY OPEN    Nominal current **  : 102 mA    Actuator voltage (Vcc)  : 28V (24 to 30V)    Terminals  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  . High level  : 3.5 to 5.5 V / 800µA at 5.5 V    . Low level  : 0 to 1.5 V / 20µA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms						
Actuator  : NORMALLY OPEN    Nominal current **  : 102 mA    Actuator voltage (Vcc)  : 28V (24 to 30V)    Terminals  : 530 C max. / 30 sec.)    BCD Inputs (E)  . High level  : 3.5 to 5.5 V / 800µA at 5.5 V    . Low level  : 0 to 1.5 V / 20µA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms						
Nominal current **  : 102 mA    Actuator voltage (Vcc)  : 28V (24 to 30V)    Terminals  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  - High level  : 3.5 to 5.5 V / 800µA at 5.5 V    - Low level  : 0 to 1.5 V / 20µA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms	ELECTRICAL CHA	ARACTERISTICS				
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Actuator voltage (Vcc)  : 28V (24 to 30V)    Terminals  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  - High level  : 3.5 to 5.5 V / 800µA at 5.5 V    - Low level  : 0 to 1.5 V / 20µA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms		rent **				
Terminals  : solder pins (250°C max. / 30 sec.)    BCD inputs (E)  - High level  : 3.5 to 5.5 V / 800µA at 5.5 V    - Low level  : 0 to 1.5 V / 20µA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms					80V)	
- Low level  : 0 to 1.5 V / 20μA at 0.8 V    MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms				solder pins	(250°C max. /	30 sec.)
MECHANICAL CHARACTERISTICS    Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms	BCD inputs	(E) - High level	l	: 3.5 to 5.5 V	/ 800µA at 5.5	V
Connectors  : SMA female per MIL-C 39012    Life  : 5 million cycles per position    Switching Time***  : < 15 ms		- Low level		: 0 to 1.5 V /	20µA at 0.8 V	
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%)	Life Switching Time***			∴ 5 million cycles per position ∴ < 15 ms		
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%)	Weight		∶ <b>&lt; 220 g</b>			
Storage temperature range  : -55°C to +85°C    (*  Average power at 25°C per RF Path)    (**  At 25° C ±10%)	ENVIRONMENTA	L CHARACTERIS	TICS			
Storage temperature range  : -55°C to +85°C    (*  Average power at 25°C per RF Path)    (**  At 25° C ±10%)	Operating temperature range			1000 to 0		
(* Average power at 25°C per RF Path) (** At 25° C ±10%)						
(** At 25° C ±10%)	etorago tom					ROHS
(** At 25° C ±10%)		wer at 25°C per DE	Path)			$(\cdot ( \frown ) \cdot )$
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