TERMINATED COAXIAL SPDT and DP3T up to 18 GHz – RAMSES Concept

R585 . . . . . .

Connectors RF
- **3** : **SMA** up to 3 GHz
- **4** : **SMA** up to 18 GHz

Type
- **1** : Failsafe
- **2** : Failsafe + I.C.
- **3** : Latching
- **4** : Latching + I.C.
- **5** : Latching + S.C.O.(1)
- **6** : Latching + S.C.O. + I.C.(1)
- **7** : Normally Open
- **8** : Normally Open + I.C.

Actuator voltage
- **2** : 12 Vdc
- **3** : 28 Vdc

Actuator terminal
- **0** : Solder Pins

Options
- **0** : Without option
- **1** : Positive common (2)(4)
- **3** : With suppression diodes (1)
- **4** : With suppression diodes and positive common (3)(4)

TTL and termination options
- **0** : Without TTL driver (DP3T)
- **1** : With TTL driver (DP3T)
- **2** : Terminated (internal termination) / Without TTL driver
- **3** : Terminated (internal termination) / With TTL driver
- **4** : Terminated (external termination) / Without TTL driver
- **5** : Terminated (external termination) / With TTL driver

I.C. : *Indicator contact.*
S.C.O. : *Self Cut Off*

(1) : *Suppression diodes are already included in Self Cut-off and TTL*
(2) : *TTL option is not available with this option*
(3) : *Self Cut-off and TTL options are not available with this option*
(4) : *Positive common must be specified only with Type 3, 4, 5 or 6*

GENERAL SPECIFICATIONS - RF PERFORMANCES

Connectors		**SMA**			
Frequency range	*GHz*	DC - 3 / DC - 18			
		DC - 3	3 - 8	8 - 12.4	12.4 - 18
V.S.W.R. (max)		1.20	1.30	1.40	1.50
Insertion Loss (max)	*dB*	.20	.30	.40	.50
Isolation (min)	*dB*	80	70	60	60
Impedance	Ω	50			
Switching sequence		Break Before Make			

GENERAL SPECIFICATIONS - ADDITIONAL SPECIFICATIONS

Operating mode		**Failsafe, Latching or Normally open**					
		Failsafe		**Latching**		**Normally open**	
Actuator voltage (nominal)	*Vdc*	12	28	12	28	12	28
Coil resistance (±10%)	Ω	24	138	29	175	47.5	275
Operating current at 23°C	*mA*	500	205	420	160	250	102
Average power		See Power Rating Chart page 9					
TTL INPUT	*High level* *Low level*	2.2 to 5.5 V 0 to 0.8 V					
Peak power	*kW*	1.5 (1 µs, 1 ‰)					
Indicator rating		1 W - 30 V - 100 mA					
Switching time (max)	*ms*	10					
Life		2 10^6 cycles for products with internal terminations 10 10^6 cycles for all other products					
Connectors		SMA					
Actuator terminals		Solder pins					
Operating temperature range	°C	-40, +85					
Storage temperature range	°C	-55, +85					

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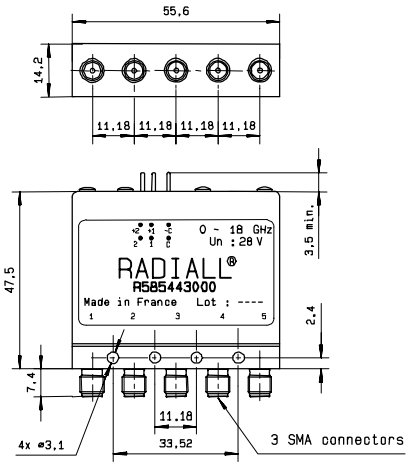


TYPICAL OUTLINE DRAWING

DP3T

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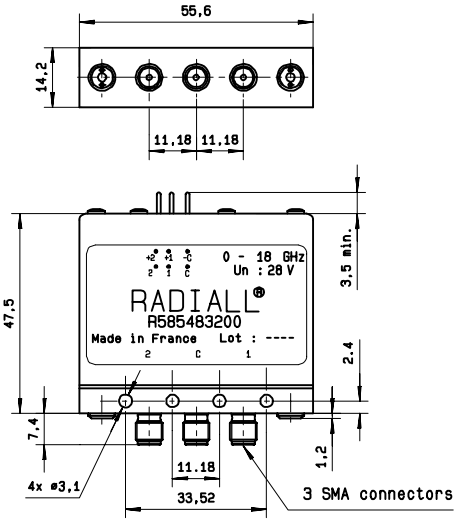
R585 – – – 1 – –

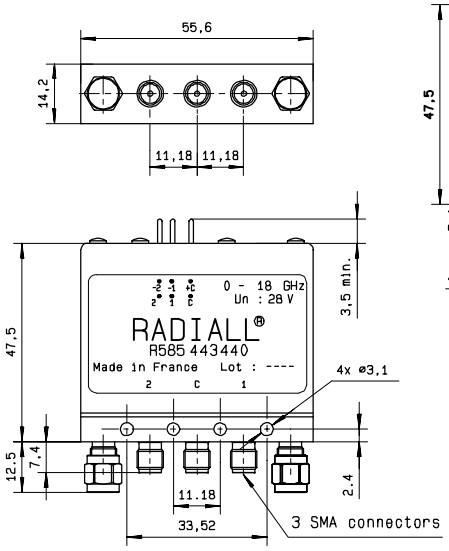


With internal terminations

R585 – – – 2 – –

R585 – – – 3 – –





With external terminations

R585 – – – 4 – –

R585 – – – 5 – –