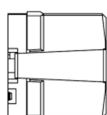
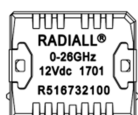
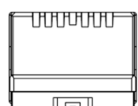


R516 series: the RAMSES concept merges with the SLIM LINE technology, breaking up the frequency limits of SMT switches :

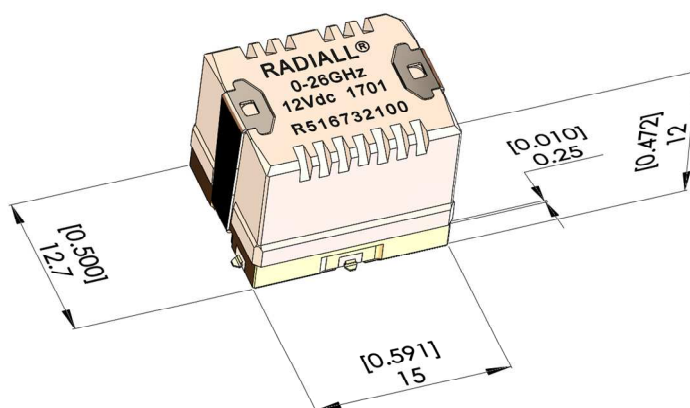
- FULL SMT TECHNOLOGY COMPATIBLE
- High frequency
- High life span
- High repeatability
- High power applications



(All dimensions are in mm [inches])



ACTUAL SIZE



TYPICAL OUTLINE DRAWING

PART NUMBER SELECTION

R 516 _ _ _ 1 0 _

Frequency range :

3 : DC – 8GHz
4 : DC – 18GHz
7 : DC – 26.5GHz

TYPE :

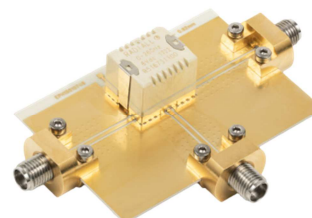
3 : Latching, 2 coils

ACTUATOR VOLTAGE :

1 : 6Vdc
2 : 12Vdc
3 : 24Vdc

Actuator terminals :

0 : Not soldered
T : Soldered on a connectorized test fixture (1)



(1) See details about test fixture RF characteristics on page 3

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SERIES Micro-SPDT

PART NUMBER R516 XXX 10X

GENERAL SPECIFICATION

Operating mode		Latching (Type 3)			
Nominal operating voltage (Vdc) (across operating temperature range)			6 (on request) (5.1 to 6.6)	12 (10.2 to 13)	24 (20.5 to 30)
Coil resistance (+/-10%) (Ohms)			55	205	865
Operating current at 23°C (mA)			108	58	32
RF and command ports		gold plated access, infrared reflow, forced air oven or hand soldering (Compatible with "lead free" soldering processes)			
Switching time (Nomial voltage)	Making contacts	Max 5ms, including contact bounce time			
	Breaking contacts	3ms			
Life	Cold switching (Max 120 cycles/min)	3 million cycles (5 million cycles typical at low level)			
	Hot switching (Max 20 cycles/min)	500.000 cycles (1W, impedance 50Ω , V.S.W.R. <1.25)			
Insulation		Dielectric test voltage		300Vrms	
		Insulation resistance at 500Vdc		> 100MOhms	
Environmental protection		"LEAD FREE » construction" Waterproofness according to IEC 60529 / IP64			
Mass		8g			
Operating temperature range (°C) (With no icing nor condensation)		- 40 to +85			
Storage temperature range (°C)		-55 to +85			
Shocks (According to MIL STD 202, method 213B, Cond C)		100g / 6ms, ½ sine No change of state			
Sine vibration (MIL STD 202, method 204)		Condition D : 10-2000Hz, 20g Operating			

PIN IDENTIFICATION (TOP VIEW)

