

date 08/05/2022

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SERIES: RDS-1045 | DESCRIPTION: ROTARY DIP SWITCH

FEATURES

- 10 and 16 positions
- flat actuator
- · gold plated terminals
- through hole mounting





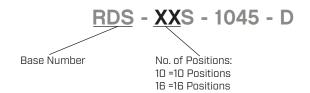
SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	switching non-switching			24 50	Vdc Vdc
rated current	switching non-switching			25 100	mA mA
withstanding voltage	for 1 minute		250		Vac
contact resistance	initial after life test			50 100	$m\Omega$
insulation resistance	at 250 Vdc	100			ΜΩ
operating torque				500	gf*cm
dial travel	continuous rotation		360		degrees
operating temperature		-40		85	°C
storage temperature		-40		85	°C
life		10,000			steps
flammability rating	UL94V-O				
RoHS	yes				

SOLDERABILITY

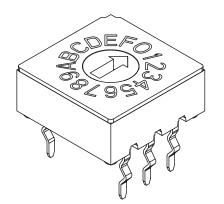
parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	315	320	325	°C
wave soldering	for maximum 5 seconds	240	250	260	°C

PART NUMBER KEY



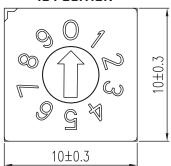
MECHANICAL DRAWING

units: mm tolerance: $X \le 0.5$: ± 0.25 mm $0.5 < X \le 3.0$: ± 0.15 mm $3.0 < X \le 6.0$: ± 0.20 mm $6.0 < X \le 30.0$: ± 0.25 mm $30.0 < X \le 120.0$: ± 0.30 mm $120.0 < X \le 400.0$: ± 0.50 mm $120.0 < X \le 120.0$: ± 0.50 mm unless otherwise noted

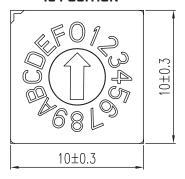


ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	dial	PA9T (UL94V-0)	gray
2	housing	PA9T (UL94V-0)	black
3	base	PA9T (UL94V-0)	black
4	terminals	copper alloy	gold

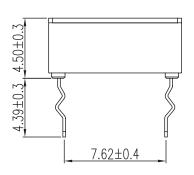
10 POSITION

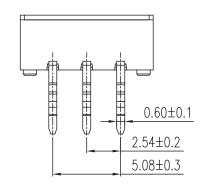


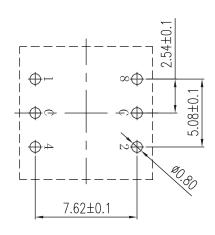




ON	0						
OFF •			CODE				
TYF	PE	POS	1	2	4	8	
		0	•	•	•	•	
		1	0	•	•	•	
	10 STEP	2	•	0	•	•	
		3	0	0	•	•	
		4	•	•	0	•	
		5	0	•	0	•	
		6	•	0	0	•	
		7	0	0	0	•	
		8	•	•	•	0	
		9	0	•	•	0	
		А	•	0	•	0	
16 STEP	В	0	0	•	0		
	16 STEP	С	•	•	0	0	
		D	0	•	0	0	
		Е	•	0	0	0	
		F	0	0	0	0	







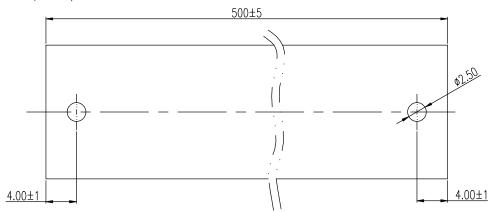
Recommended PCB Layout Top View

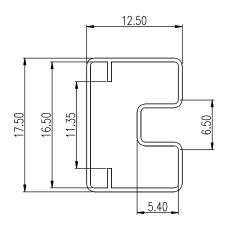
PACKAGING

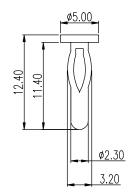
units: mm

Tube Size: 17.50 x 12.50 x 500 mm

Tube QTY: 47 pcs







REVISION HISTORY

rev.	description	date	
1.0	initial release	05/21/2020	
1.01	logo, datasheet style update	08/05/2022	

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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