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SERIES: RDS-74R-508 | DESCRIPTION: ROTARY DIP SWITCH

FEATURES

- 10 and 16 positions
- flat actuator
- right angle
- 5.08 mm pitch







SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	switching non-switching			42 42	Vdc Vdc
rated current	switching non-switching			100 400	mA mA
withstanding voltage	for 1 minute		250		Vac
contact resistance				80	mΩ
insulation resistance	at 250 Vdc	100			ΜΩ
operating torque		90	120	150	gf*cm
actuator travel	continuous rotation		360		degrees
operating temperature		-60		125	°C
storage temperature		-60		125	°C
life	at rated voltage, current, 15~20 cycles/minute		25,000		steps
flammability rating	UL94V-0				
RoHS	yes				
IP level	IP67 (IEC 60529:2001)				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
wave soldering	for maximum 5 seconds			280	°C

PART NUMBER KEY

RDS - XXS - 74R - 508 - D

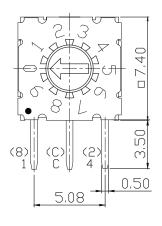
No. of Positions:
10 =10 Positions
16 =16 Positions

MECHANICAL DRAWING

units: mm tolerance: ±0.3 mm unless otherwise noted

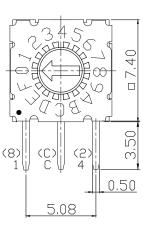
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	actuator	LCP (UL94V-0)	red (10 position) gray (16 position)
2	housing	LCP (UL94V-0)	black
3	face plate	stainless steel	
4	terminals	copper alloy	gold

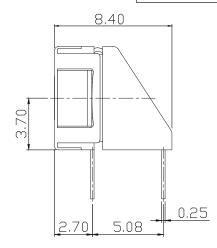
10 POSITION

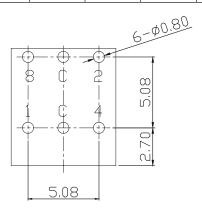


ON	0						
OFF	•		CODE				
TYI	TYPE		1	2	4	8	
	10 STEP	0	•	•	•	•	
		1	0	•	•	•	
		2	•	0	•	•	
		3	0	0	•	•	
		4	•	•	0	•	
		5	0	•	0	•	
		6	•	0	0	•	
		7	0	0	0	•	
		8	•	•	•	0	
		9	0	•	•	0	
		А	•	0	•	0	
10.0750		В	0	0	•	0	
		С	•	•	0	0	
16 STEP	10 9167	D	0	•	0	0	
	ŀ	E	•	0	0	0	
		F	0	0	0	0	

16 POSITION







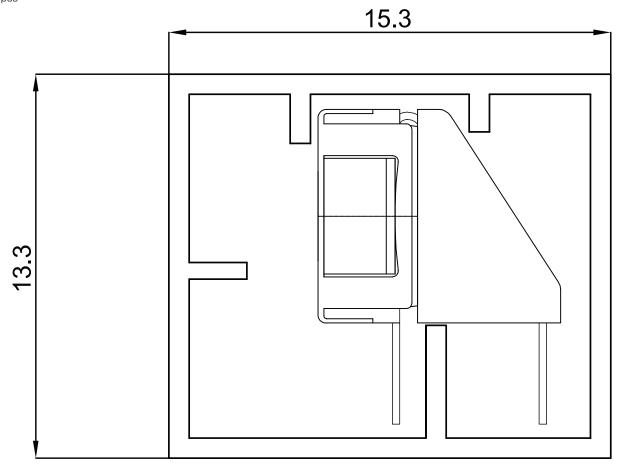
Recommended PCB Layout Top View

PACKAGING

units: mm

Tube Size: $15.30 \times 13.30 \times 540 \text{ mm}$

Tube QTY: 70 pcs



Additional Resources: Product Page | 3D Model | PCB Footprint

CUI DEVICES | SERIES: RDS-74R-508 | DESCRIPTION: ROTARY DIP SWITCH

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REVISION HISTORY

rev.	description	date	
1.0	initial release	10/01/2020	
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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