# **RTF Series** 7.2 mm x 7.2 mm Low Profile Rotary DIP Switches





## **Specifications**

Contact Rating	100mA, DC 5V (switching) 100mA, DC 50V (non-switching)			
Packaging	Switches are supplied in rigid dispensing tubes in full-tube quantities only, this may affect order quantities. Number of switches per tube varies with model. Tape and reel packing is available with "S", "A" and "J" type terminations.			

#### **Mechanical Characteristics**

Mechanical and Electrical Life	10,000 cycles	
Initial Contact Resistance	100 milliohms max.	
Insulation Resistance	100 megohms min.	

#### **Environmental Characteristics**

Operating Temperature	-40°C to 85°C		
Storage Temperature	-40 C to 85 C		
Operating Force	200 gf max.		

#### **Process**

Solderability	Dip and look solderability testing per C&K spec #448
Solder Conditions	Iron soldering, C/K/S/A/J termination: 3s/350°C Wave soldering, C/K/A termination: 5s/280°C Reflow soldering, S/J termination: 10s/260°C

# Description

The RTF series offers the most compact 7.2 mm x 7.2 mm low profile rotary DIP switches. It has a new design with different actuators and different terminations. Rated IP67.

# **Features & Benefits**

- New generation
- Most compact rotary DIP switch
- Through-hole, Crimped, J-Bend, Angled and Surface Mount Models

# **Applications**

- Industrial and control automation
- Automotive
- Computer and peripherals

New designs with different

Ingress Protection: IP67

- Instrumentation
- Security devices

actuators

RoHS compliant

Reflow compatible

## Materials

Cover	Steel, Stainless Steel				
Base	I CP				
Actuator	EGI				
Contacts	Phosphor bronze, gold plated				
Spring & Guide Plate	Stainless steel				
Terminals	Brass, gold plated				
O-ring	Silicon				





#### **Ordering Number**

The Build-A Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.



Coding R Real Code







#### **C** Compliment Code

04 Position							
	Complement Code						
		C	1	2	4	8	
5	0	۰	۰	۰	۰	۰	
ŝ	1	۰		۰	۰	۰	
â	2	۰	۰		律	۰	
4	3	۲			۲	۲	

Complement Code						
		C	1	2	4	8
	0	۰	۰	۰	۰	۰
	1	۰		۰	۰	۰
_	2	۰	۰		۲	۲
ē	3	۰			۰	۰
isi.	4	۰	۰	۰		۰
ď	5	۰		۰		۰
¥	6	۰	*			۰
	7	۰				۰
	8	۰	۰	۰	۰	
	9	۰		۰	۰	







Actuator



500 0.8

7.2

2 Cross (Height = 0 mm)

□ 1

II C С

0.8



#### 3 Arrow (Height = 3 mm)



**Terminations** 





4 🗉

**C** □

7.2 8 🗉





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# **RTF Series** 7.2 mm x 7.2 mm Low Profile Rotary D<u>IP Switches</u>



## S SMD Gull Wing

J Bend SMD



## A Angled Type





## **Tape and Reel**

#### The tape and reel is applicable for Actuator 0 or 2 with Termination S or J, 1300 pcs/reel





**E Littelfuse Cak** Switches





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