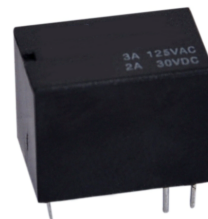


Features

3A switching capability - Standard PCB layout
 High sensitive:200mW - High reliability contact
 Outline Dimensions (15.5×11×11.5) mm



CONTACT DATA

Contact arrangement	1A or 1C
Contact Resistance	100mΩ (6Vdc 100mA)
Contact material	Silver alloy
Contact rating(Res. load)	3A 120VAC
Max. switching voltage	125VAC/30VDC
Max. switching current	3A
Max. switching power	375VA/30W
Mechanical endurance	10, 000, 000 ops
Electrical endurance	100, 000 ops
Min applicabile load	6VDC 1A

CHARACTERISTICS

Insulation resistance	100MΩ (500VDC)	
Dielectric strength	Between coil & contacts	750VAC 1min
	Between open contact	500VAC 1min
Operate time(at nomi. ovlt)	≤10ms	
Release time(at nomi. ovlt)	≤5ms	
Vibration resistance	Functionna	10Hz~55Hz 1.5mm
	Destructive	10Hz~55Hz 1.5mm
Shock resistance	Functionna	10G Min.
	Destructive	100G Min.
Humidity	5%~85% Rh	
Ambient temperature	-40°C~70°C	
Termination	PCB	
Unit weight	Approx 3.5g	

COIL

Coil power	0.2W or 0.36 or 0.45
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COIL DATE(AT 23°C)

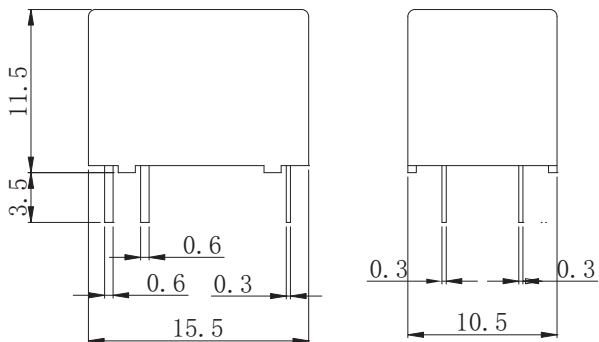
Nominal voltage (VDC)	Nominal operating curren %10 (mA)	coil resistance 10% (Ω)	max allowable voltage	pick-up voltage (max)	Drop-out voltage (min)	Nominal operating power (W)
3	66.6	45	130% of nominal voltage	75% of nominal voltage	5% of nominal voltage	About 0.2
5	40	125				
6	33.3	180				
9	22.2	400				
12	16.6	720				
24	8.3	2800	130% of nominal voltage	75% of nominal voltage	5% of nominal voltage	About 0.36
3	120	25				
5	71.4	70				
6	60	100				
9	40.9	220				
12	30	400	130% of nominal voltage	75% of nominal voltage	5% of nominal voltage	About 0.45
24	11.25	1600				
3	150	20				
5	90	56				
6	90	80				
9	50	180	130% of nominal voltage	75% of nominal voltage	5% of nominal voltage	About 0.45
12	37.5	320				
24	18.75	1280				

R414 ORDERING INFORMATION

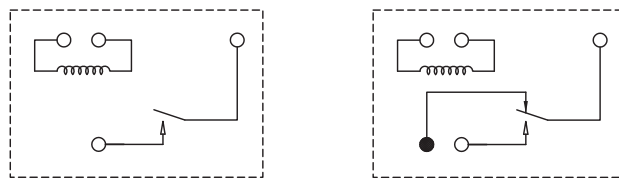
R414	D	/	024	Z	1	NILL	H
MODEL	COIL		Coil Voltage	Contact Form	Version	Contact material	Coil power
R414	D=DC		003=3.0V 005=5.0V 006=6.0V 009=9.0V 012=12V 024=24V	Z=1C	1=sealed	NILL=Ag Alloy	H = 0.20w nill = 0.36w X = 0.45w

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

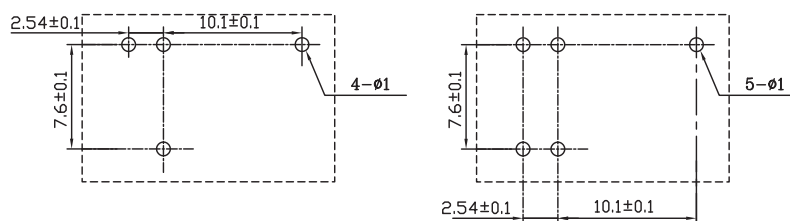
Outline Dimensions



Wiring Diagram(Top view)



PCB Layout(Top view)



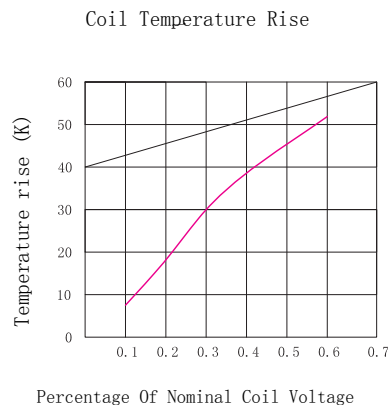
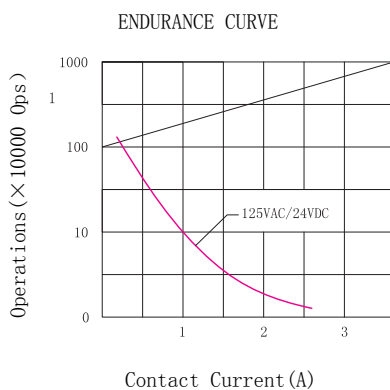
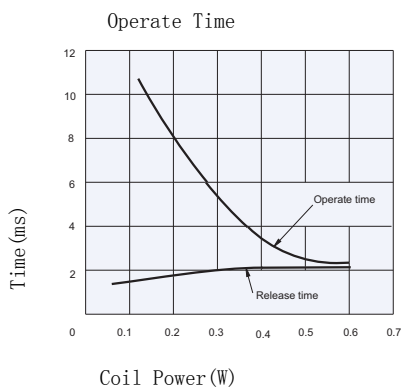
1A

1C

TOLERANCE: ±0.1mm

Outline dimensions hadn't specified tolerance ^φ	
Outline Dimensions ^φ	Tolerance ^φ
≤1 ^φ	± 0.2 ^φ
>1~5 ^φ	± 0.3 ^φ
>5 ^φ	± 0.4 ^φ

CHARACTERISTIC CURVES



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