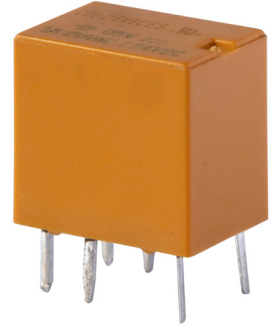


SERIES: SR2 | **DESCRIPTION:** SIGNAL RELAY**FEATURES**

- 3~24 Vdc coil voltage
- 330 mW coil power
- contact form 1C

**MODEL**

MODEL	coil voltage typ (Vdc)	coil resistance ($\Omega \pm 10\%$)	operating voltage min (Vdc)	release voltage max (Vdc)	coil power typ (mW)
SR2-3V-330-1C	3	28	2.1	0.3	330
SR2-5V-330-1C	5	75	3.5	0.5	330
SR2-9V-330-1C	9	245	6.3	0.9	330
SR2-12V-330-1C	12	440	8.4	1.2	330
SR2-24V-330-1C	24	1,515	16.8	2.4	380

Notes: 1. All specifications are measured at 23°C unless otherwise specified.

PART NUMBER KEY

SR2 - XX - 330 - 1C

Base Number

Coil Voltage (Vdc):

3V = 3

5V = 5

9V = 9

12V = 12

24V = 24

CONTACT SPECIFICATIONS

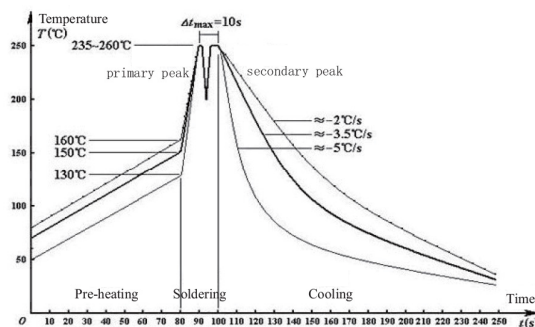
parameter	conditions/description	min	typ	max	units
contact form	1 Form C				
contact material	AuAg overlay				
contact rating	1 A @ 120 Vac 1 A @ 24 Vdc				
contact resistance	at 6 Vdc, 0.1 A			50	mΩ
max switching voltage				120 30	Vac Vdc
max switching current				2	A
max switching power				120 30	VA W
min switching load	5 Vdc, 10 mA				
life	electrical mechanical		100,000 10,000,000		operations operations

GENERAL SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
insulation resistance	at 500 Vdc	100			MΩ
dielectric strength	between open contacts for 1 minute between coil and contacts for 1 minute		500 500		Vac Vac
operate time				6	ms
release time				4	ms
shock resistance	endurance misoperation		1,000 100		m/s ² m/s ²
vibration resistance	endurance: 10~55 Hz, 1.5 mm double amplitude misoperation: 10~55 Hz, 1.5 mm double amplitude				
operating temperature		-25		70	°C
humidity	at 40°C	35		95	%RH
weight			1.7		g
safety approvals	UL/cUL 508				
flammability rating	UL94V-0				
RoHS	yes				
packaging	tube: 25 pcs per tube carton size: 332 x 302 x 148 mm carton QTY: 2,000 pcs per carton				

SOLDERABILITY

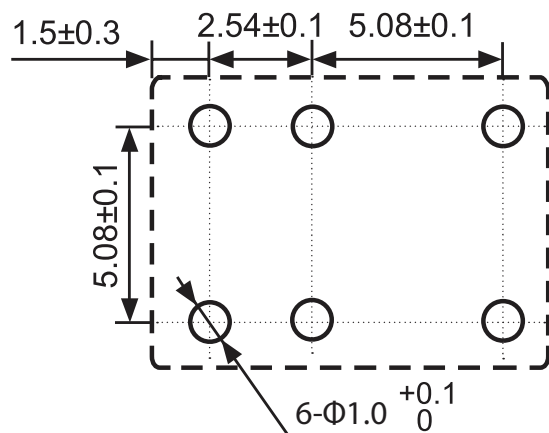
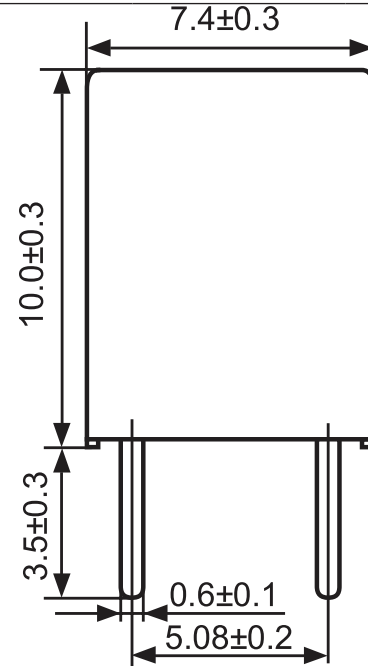
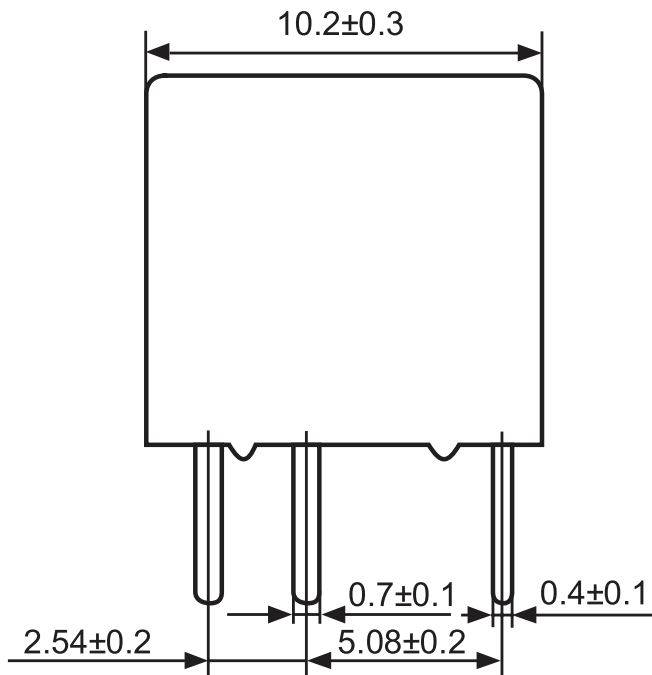
parameter	conditions/description	min	typ	max	units
hand soldering	for 3.5±0.5 seconds	340	350	360	°C
wave soldering	for 10±1 seconds	255	260	265	°C



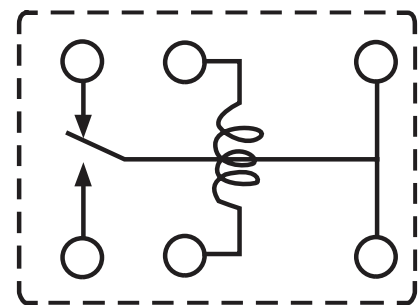
Double-wave Soldering Curve

MECHANICAL DRAWING

units: mm
tolerance: ± 0.3 mm
unless otherwise noted



Recommended PCB Layout
Bottom View

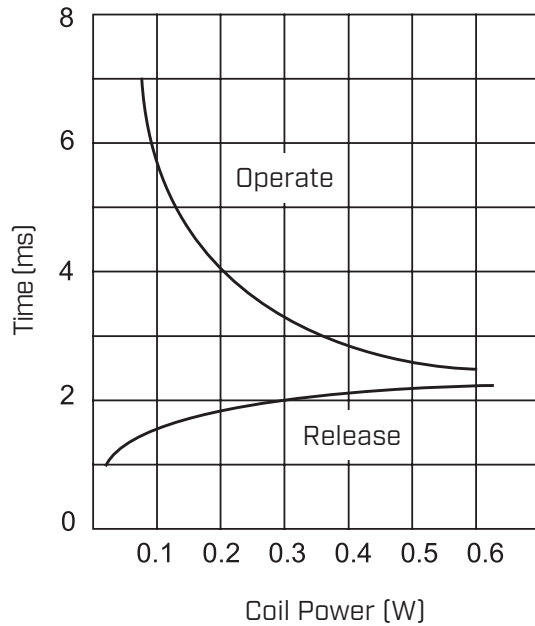


Wiring Diagram
Bottom View

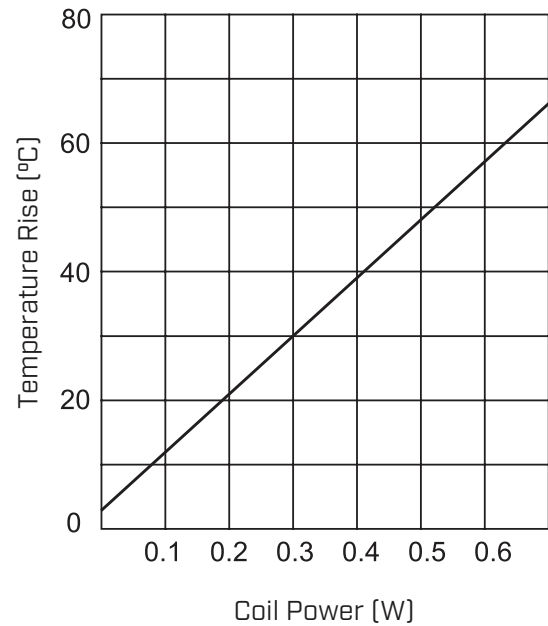
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	housing	PBT (UL94V-0)	orange
B	terminals	copper covered steel	tin

CHARACTERISTIC CURVES

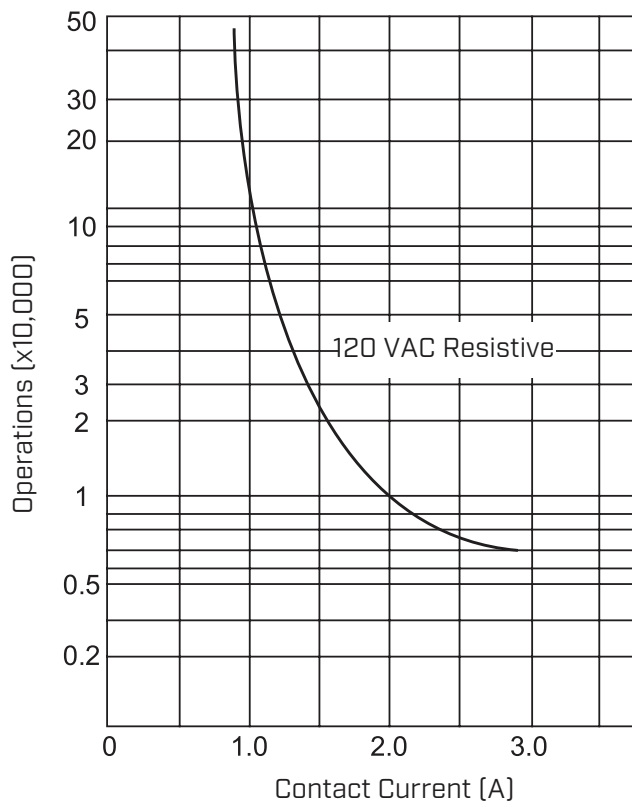
Time Curve



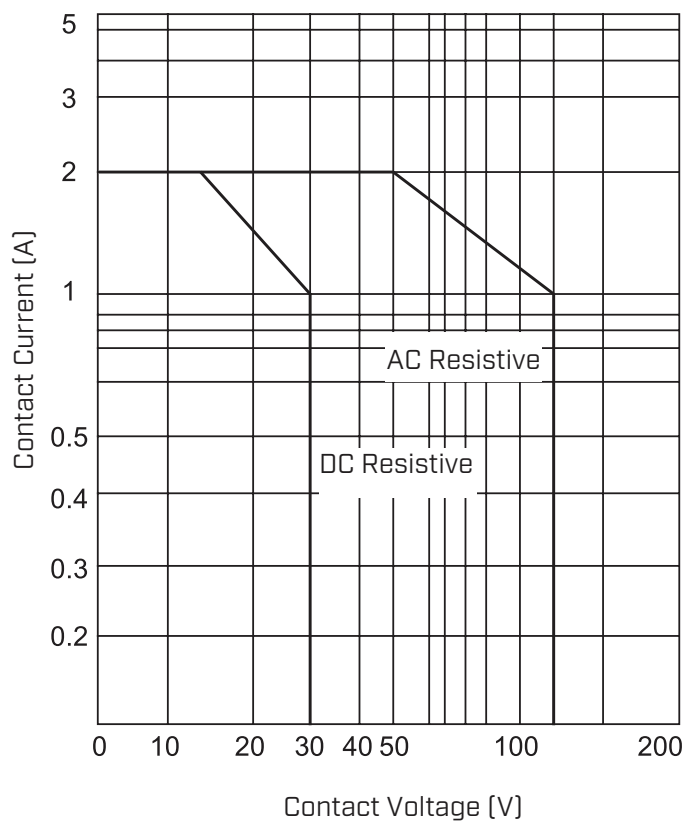
Coil Temperature Rise



Life Curve



Maximum Switching Power



REVISION HISTORY

rev.	description	date
1.0	initial release	06/07/2022

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

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