

**SERIES:** SR7 | **DESCRIPTION:** SIGNALRELAY

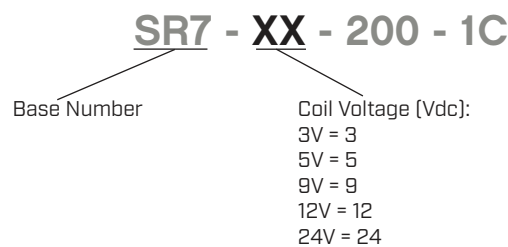
**FEATURES**

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


**MODEL**

	<b>coil voltage</b>	<b>coil resistance</b>	<b>operating voltage</b>	<b>release voltage</b>	<b>coil power</b>
	typ (Vdc)	( $\Omega \pm 10\%$ )	min (Vdc)	max (Vdc)	typ (mW)
SR7-3V-200-1C	3	45	2.25	0.3	200
SR7-5V-200-1C	5	125	3.75	0.5	200
SR7-9V-200-1C	9	405	6.75	0.9	200
SR7-12V-200-1C	12	720	9.0	1.2	200
SR7-24V-200-1C	24	2,880	18.0	2.4	200

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

**PART NUMBER KEY**


## CONTACT SPECIFICATIONS

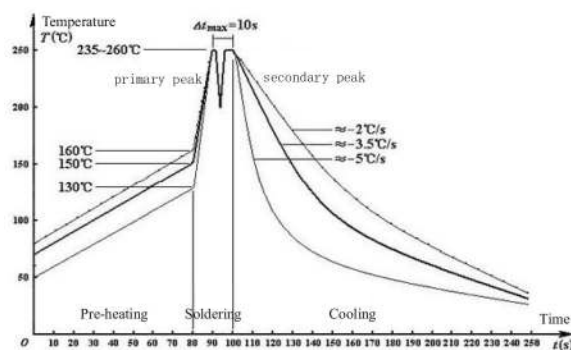
parameter	conditions/description	min	typ	max	units
contact form	1 Form C				
contact material	AuAg overlay				
contact rating	1 A @ 120 Vac, 24 Vdc				
contact resistance	at 6 Vdc, 0.1 A			50	mΩ
max switching voltage				220 30	Vac Vdc
max switching current				3	A
max switching power				360 72	VA W
min 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		750 1,500		Vac Vac
operate time				5	ms
release time				5	ms
shock resistance	endurance misoperation		1,000 100		m/s <sup>2</sup> m/s <sup>2</sup>
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			4.0		g
safety approvals	UL/cUL 508				
flammability rating	UL94V-0				
RoHS	yes				
packaging	tube: 25 pcs per tube carton size: 466 x 306 x 140 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

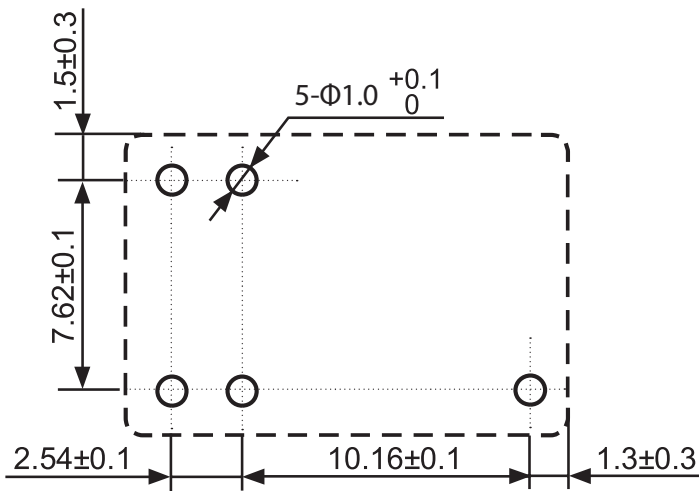
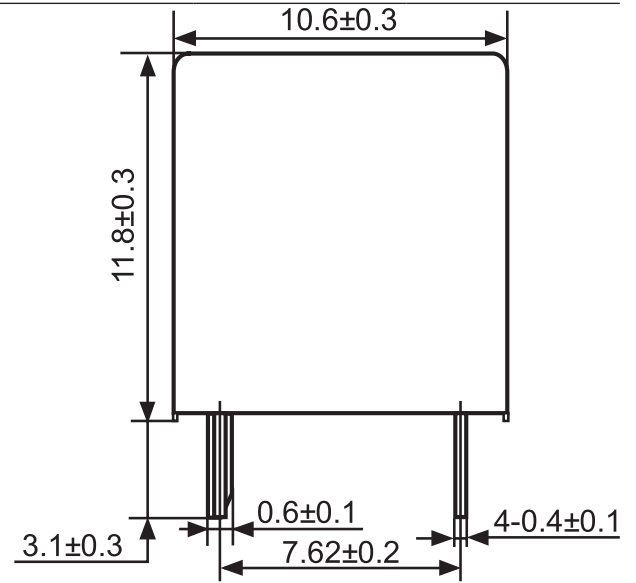
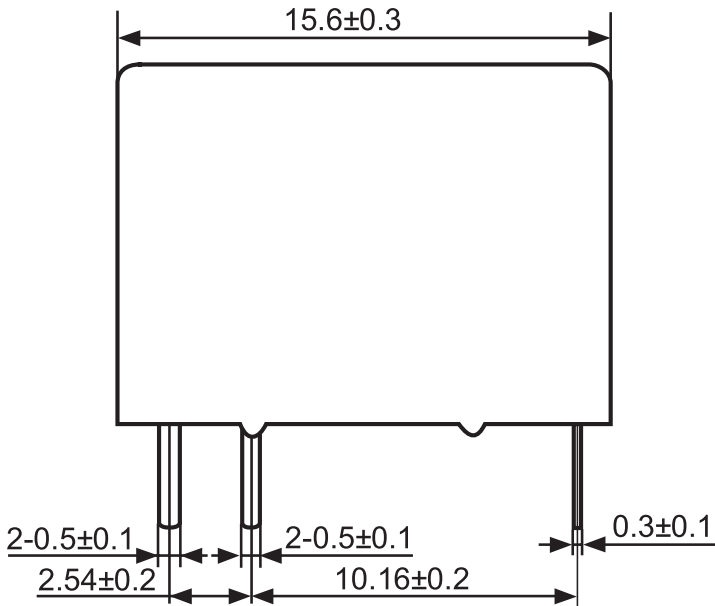


Double-wave Soldering Curve

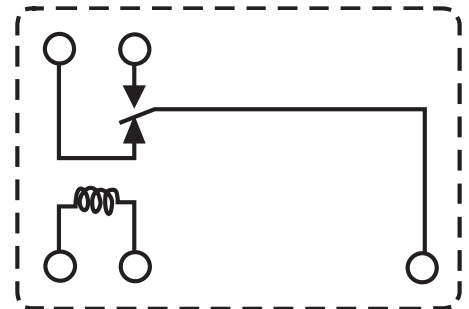
## MECHANICAL DRAWING

units: mm  
 tolerance:  $\pm 0.3$  mm  
 unless otherwise noted

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



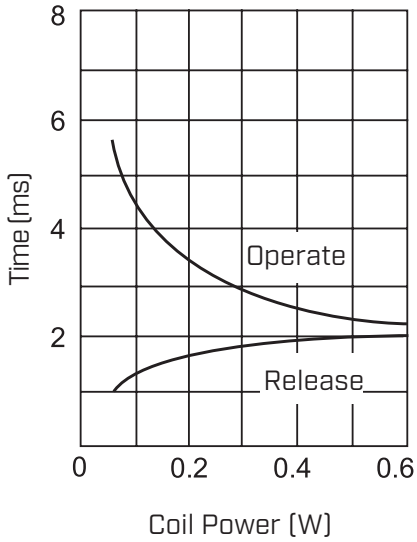
Recommended PCB Layout  
 Bottom View



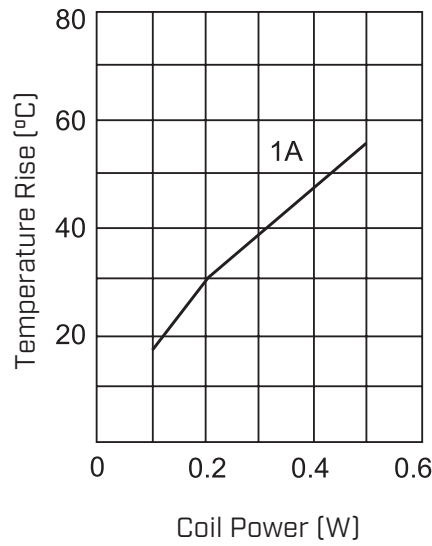
Wiring Diagram  
 Bottom View

## CHARACTERISTIC CURVES

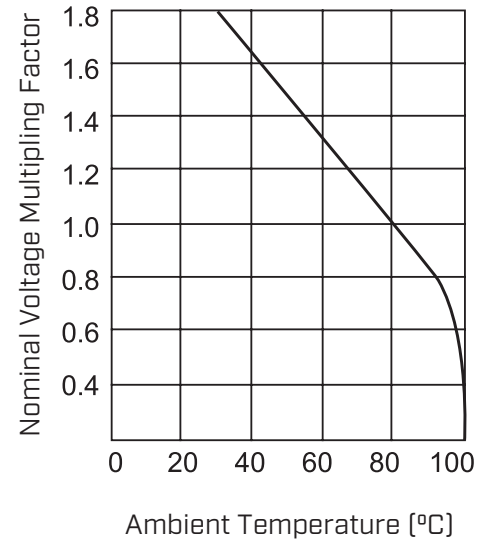
Time Curve



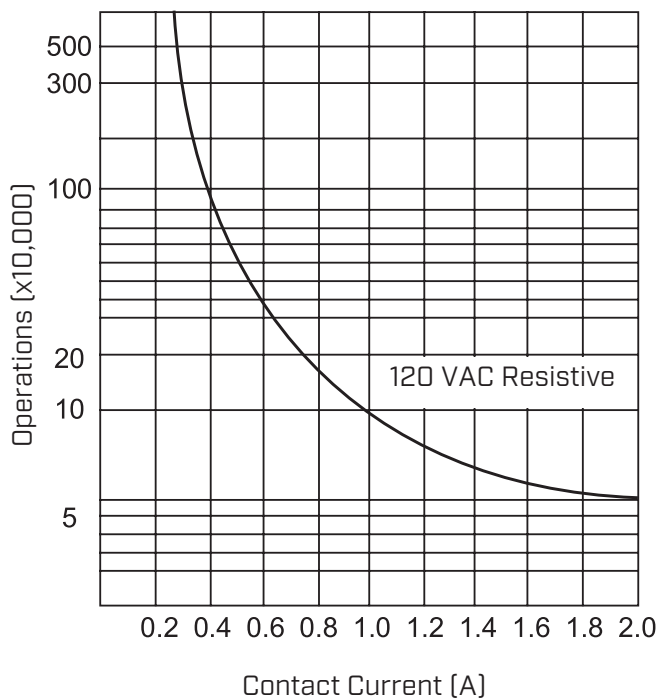
Coil Temperature Rise



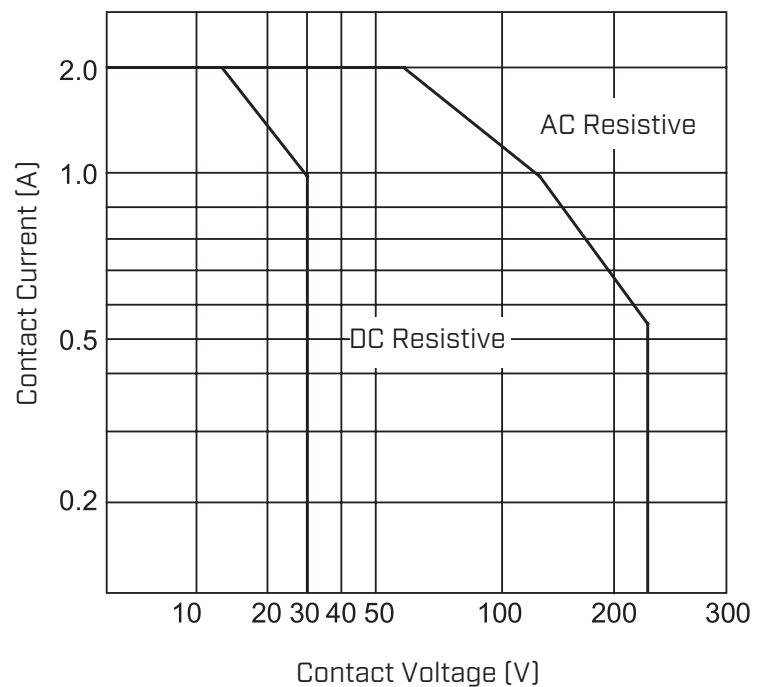
Operate Range



Life Curve



Maximum Switching Power



## REVISION HISTORY

rev.	description	date
1.0	initial release	06/07/2022
1.01	logo, datasheet style update	10/28/2022

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



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