HK V6(T78) SUBMINIATURE AUTOMOTIVE RELAY

Features

- High current contact capacity
- Improved heat resistance
- High resistance to vibration and shock
- Reflow soldering version available
- RoHS & ELV compliant
- Outline Dimensions: (15.7 x 12.2 x 13.7) mm

■ CONTACT DATA

Contact Form	1A 1C	2A
Contact Material		Silver Alloy
Contact Ratings	20A 14VDC /5A 250VAC /7A 125VAC	2X6A 14VAC
Max Switching Voltage		250VAC 16VDC
Max Switching Current	25A	2X10A
Max Switching Power	280W 1250VA	2X84W
Contact Resistance		100MΩ(at 1A 6VDC)
Electrical Life		$1X10^5$Ops(30Ops/min)
Mechanical Life		$1X10^7$Ops(300Ops/min)

■ GENERAL DATA

Insulation Resistance		100MΩ 500VDC
Dielectric Strength	Between coil & contacts	1000VAC 1min
	Between open contacts	500VAC 1min
Operate Time		Max. 10ms
Release Time		Max. 5ms
Temperature Range		- 40℃ to +85℃
Shock Resistance	Functional	98m/s2 (10g)
	Destructive	980m/s2 (100g)
Vibration Resistance		10 to 55Hz 1.5mm
Humidity		35% to 85% RH
Weight		Approx. 6g
Safety Standard		CUL

■ COIL DATA

Nominal Voltage (VDC)	Coil Resistance at 20℃ ± 10%(Ω)		Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Max Applicate Voltage (VDC)
	0.8W	0.6W			
6	45	60	3.90	0.60	9.00
9	100	135	5.85	0.90	13.50
12	180	240	7.80	1.20	18.00
24	720	960	15.60	2.40	36.00

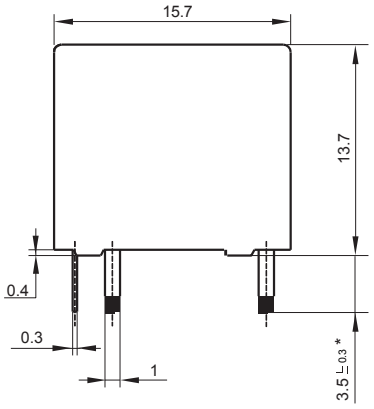
ORDERING INFORMATION

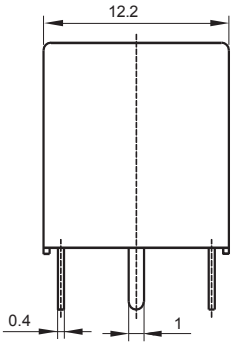
HK V6 (T78)	-	DC	6V	-	S	D	1A	X	X		
										Special request code	G:RoHS
										Mounting termination	NIL:PCB
										Contact Form	1C 1A 1B NIL:2C
										Coil Power	NIL:0.6W D:0.8W
										Type of Sealing	Nil:Flow Solder Type
											S: Plastic Sealed Type
										Coil Voltage	DC:6V 9V 12V 24V
										Coil Type	DC
										Type	HK V6(T78)

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

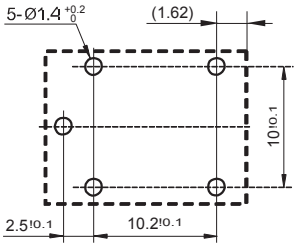
Unit: mm

Outline Dimensions

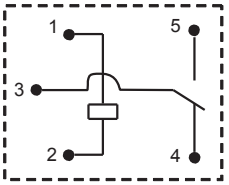




PCB Layout (Bottom view)



Wiring Diagram (Bottom view)

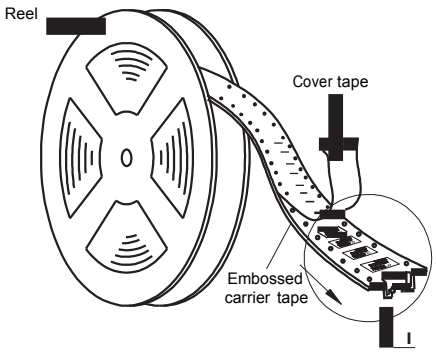


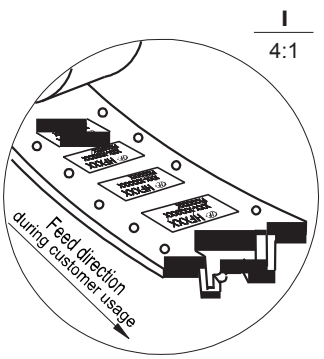
Remark: * The additional tin top is max. 1mm.

TAPE AND REEL PACFING

Unit: mm

Direction of Relay Insertion

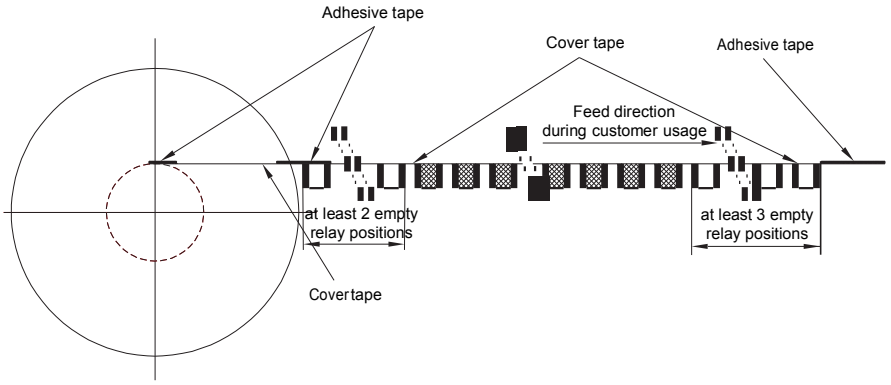




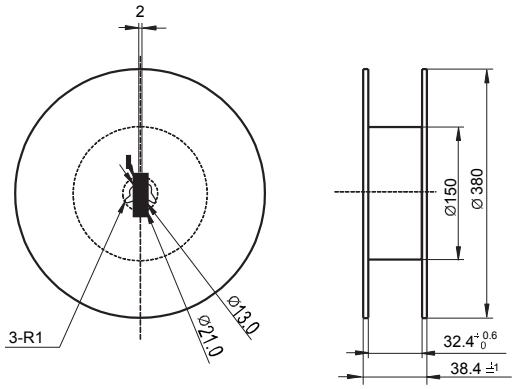
TAPE AND REEL PACFING

Unit: mm

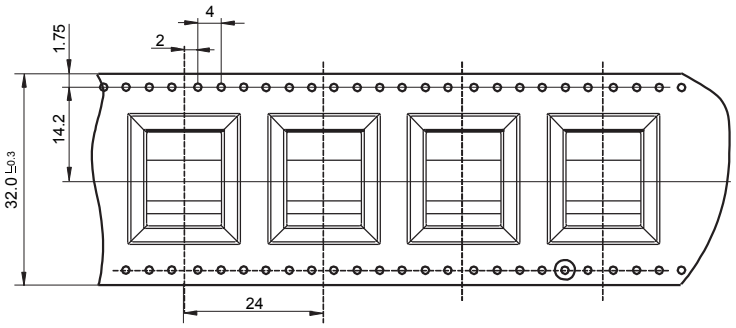
Direction of Relay Insertion



Reel Dimensions

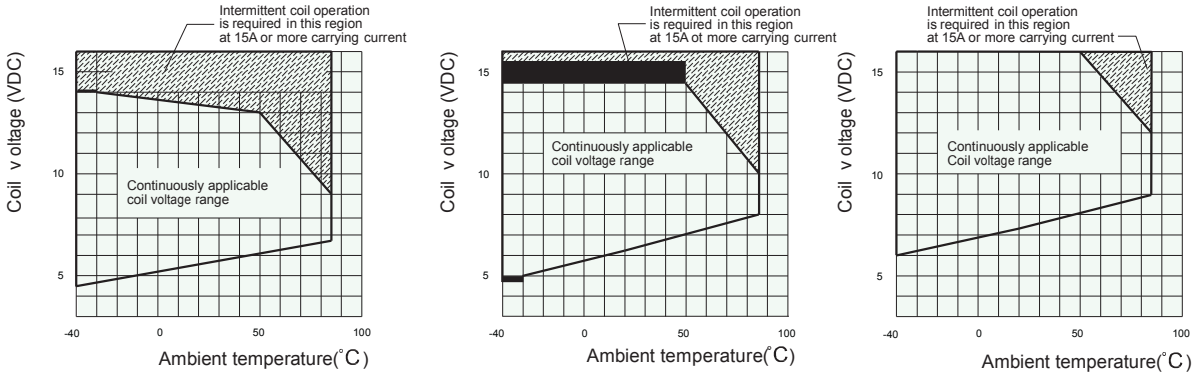


Tape Dimensions

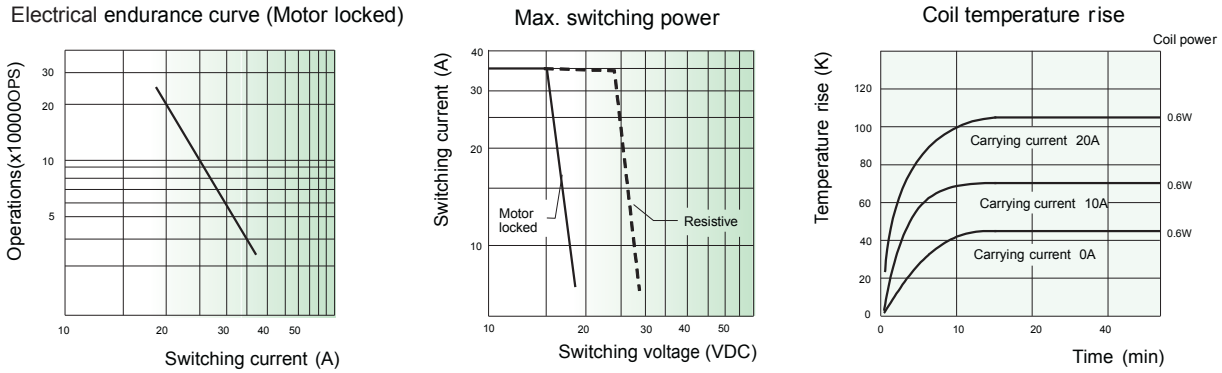


CHARACTERISTIC CURVES

1. Coil operating voltage range (NO contacts, at 13.5VDC)

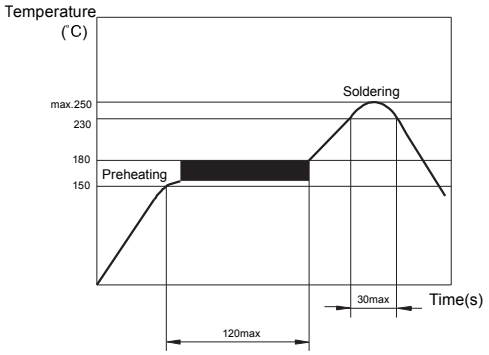


2. Load curve (NO contacts, at 23°C)



3. Reflow welding, temperature on PCB board.

(Recommended welding temperature)



Disclaimer

This datasheet is for the customers' reference. All the specifications are subject to change without notice.
We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a tight position choose the suitable product for their own application. If there is any query, please contact Ever-way for the technical service. However, it is the user's responsibility to determine which product should be used only.

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