

KV RELAY LIST
(Through hole type)

勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)

Nominal power consumption	Code	Nominal Voltage (Vdc)	Coil resistance (Ω) at 20°C	Voltage(Vdc) at 20°C		Note
				Operate	Release	
140 mW	KV-4.5	4.5	$145 \pm 10\%$	≤ 3.4	≥ 0.5	
	KV-5	5	$178 \pm 10\%$	≤ 3.33	≥ 0.5	
	KV-6	6	$257 \pm 10\%$	≤ 4.5	≥ 0.6	
	KV-12	12	$1028 \pm 10\%$	≤ 8.4	≥ 1.2	
	KV-24	24	$4114 \pm 10\%$	≤ 17.0	≥ 2.4	
200 mW	KV-24A	24	$2880 \pm 10\%$	≤ 18.0	≥ 2.4	
300 mW	KV-48	48	$7680 \pm 10\%$	≤ 36.0	≥ 4.8	

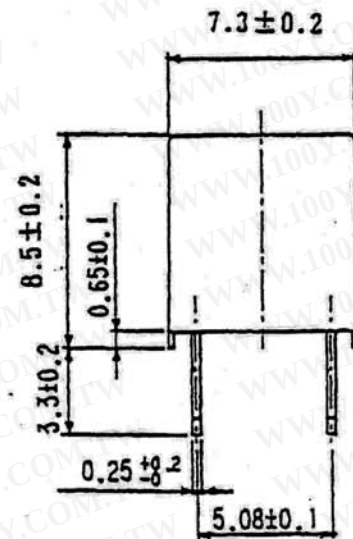
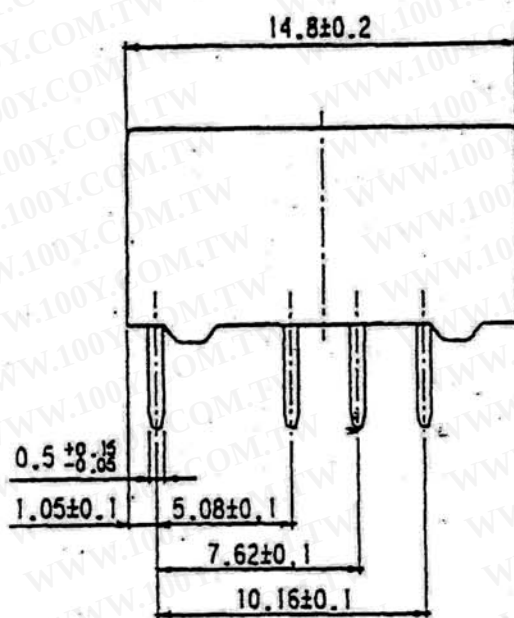
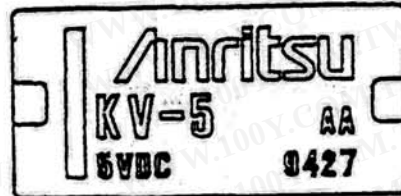
KV RELAY SPECIFICATIONS
 (Through Hole Type)

Item		Specifications
Contacts construction	Style	Bifurcated
	Arrangement	2 Break before make (2 BBM)
contact circuit rating	Voltage rating	220Vdc or 250Vac
	Switching current	2 A max.
	Carrying current	2 A max.
	Switching power	30W or 62.5VA max.
	Initial resistance	70 mΩ max.
Contact material	Movable	Gold overlaid silver alloy
	Stationary	Gold overlaid silver alloy
Voltage proof	Over open contacts	1000 Vac (1 minute)
	Others	1500 Vac (1 minute)
Impulse voltage proof	Over open contacts	1500V(10/700us)
	Coil to contact circuits	2500V(2/10us)
Insulation resistance		1000 MΩ min. at 500 Vdc
Operate time		5 mS max.
Release time		3 mS max.
Bounce time at operate		2 mS max.
Bounce time at release		2 mS max.
Transit time at operate		0.1 mS min.
Transit time at release		0.1 mS min.
Mechanical endurance (No electrical load)		20×10 ⁴ operations min.
Electrical endurance (Resistive load)	20 mV 1 mA	2×10 ⁶ operations min.
	20 V 20 mA	2×10 ⁶ operations min.
	96 V 140 mA	2×10 ⁶ operations min.
	30 W or 50 VA	0.5×10 ⁶ operations min.
Vibration resistance	Functional	10 - 55 Hz. amplitude 3 mm
	Breakage	10 - 55 Hz. amplitude 5 mm
Shock resistance	Functional	50 G min.
	Breakage	100 G min.
Operating ambient temperature		-40°C to +70°C
Dimensions (L×W×H)		14.8mm x 7.3mm x 8.5mm
Weight		Approx. 2 grams

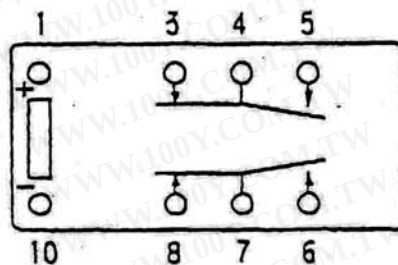
KV-RELAY DIMENSION AND CIRCUIT DIAGRAM

Revision D

(through hole type)



UNIT : mm



BOTTOM VIEW

