


KT-900

GENERAL PURPOSE POWER RELAY

KYOTA

 E331432
32.5×27.6×20.5



- High power&low cost
- 30A switch ingcap ability
- Less than 1W coil power
- Open sealed type available
- Class B/F available
- Conform to RoHS,ELV directive

CONTACT DATA

Contact Form	1A/1B/1C
Contact Material	Silver Alloy
Load	Resistive load(COS Φ=1)
Contact Ratings	1A: 30A/240VAC, 14VDC 1B: 20A/240VAC, 14VDC 1C: 30A/20A 240VAC/14VDC
Minimum load	500mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	30A
Max Switching Power	7200VA/1100W
Contact Resistance	100m Ω Max at 6VDC 1A
Electrical	100, 000 Operations(at30 Operations/minute)
Mechanical	10, 000, 000 Operations(at300 Operations/minute)

CHARACTERISTICS DATA

Insulation Resistance	100M Ω Min at 500VDC
Between Open Contacts	1500VAC(for one minute)
Between Contacts and Coil	1500VAC/2500VAC (for one minute)
Operate Time	15ms
Release Time	10ms
Temperature Range	-40°Cto+70°C (Class F:85°C)
Shock Resistance	Operating Extremes: 10G
	Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical:18,000operations/hr
	Electrical:1,800operations/hr
Humidity	40-85%
Weight	Approx 30g

COIL DATA

at 20°C

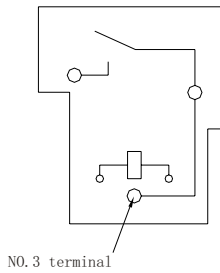
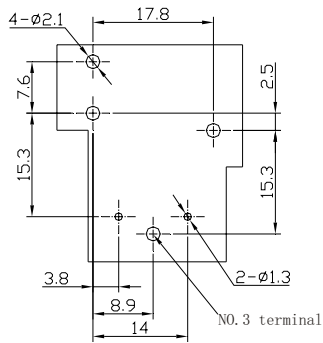
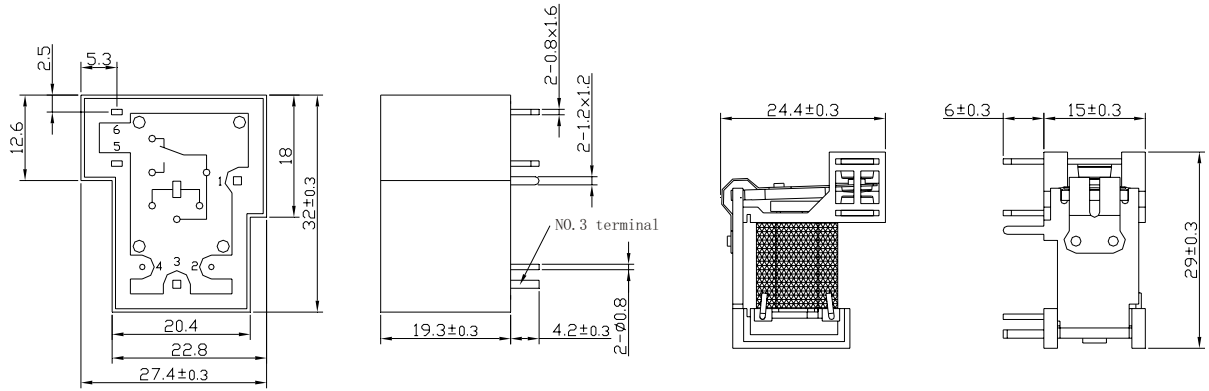
Coil Power 0.93W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ± 10%)
5	186	3.75	0.5	28
6	155	4.5	0.6	40
9	103	6.75	0.9	90
12	77.5	9	1.2	160
18	52	13.5	1.8	360
24	39	18	2.4	640
48	19	36	4.8	2560
110	9	82.5	11	13445

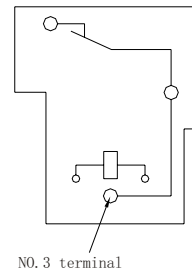
APPROVED STANDARDS

UL & cUL	NO: 30A/240VAC, 14VDC NC: 20A/240VAC, 14VDC
----------	--

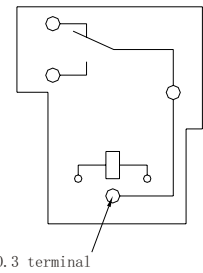
OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT



1A (Type N: Without No. 3 terminal)



1B (Type N: Without No. 3 terminal)



1C (Type N: Without No. 3 terminal)

Layout

ENGINEERING DATA

