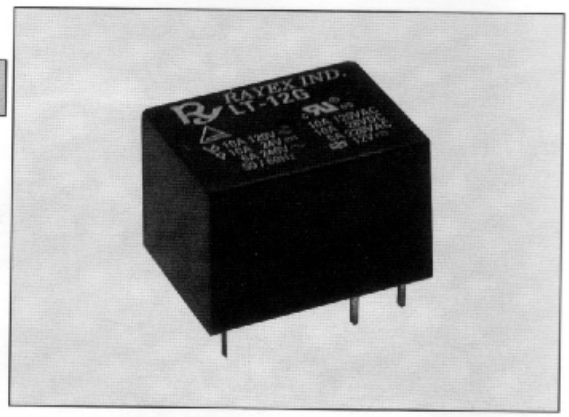
RAYEX ELEC.

LT SERIES

FEATURES



- Employment of suitable plastic materials to be applied to high temperature and various chemical solution
- Power consumption: 0.33W~0.45W
- Using at cooking appliances, air conditioners, audio equipments, domestic appliances, car control units, etc.
- UL File No.: E126157, CUL File No.: E126157, TUV File No.: R0945 2432

ORDERING INFORMATION

LT — 12 G S

1 2 3 4

1. Type
2. Coil Nominal Voltage
3. Contact Rating
   G : 10A
4. Coil Sensitivity
   Nil : Standard Type (0.45W)
   S : High Sensitive Type (0.33W)

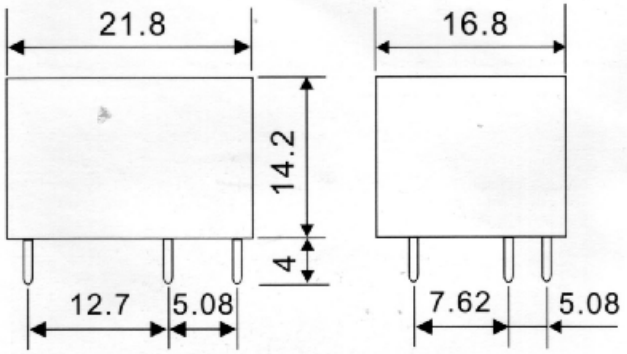
CONTACT RATING

Resistive (Cos.θ = 1)	AC 120V / DC 24V	10A
	AC 240V	6A
Inductive (Cos.θ = 0.4)	AC 120V / DC 24V	6A
	AC 240V	3A

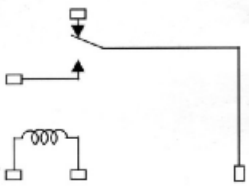
COIL DATA(0.33W~0.45W, at 25℃)

Coil Nominal Voltage (VDC)	Resistance Tol. ± 10% (Ohms)		Nominal Current (mA)		Maximum Pick Up Voltage (V)	Minimum Drop Out Voltage (V)
	0.45W	0.33W	0.45W	0.33W		
3	20	27	150.0	111.1	2.1	0.3
5	56	75	89.2	62.5	3.5	0.5
6	80	110	75.0	54.5	4.2	0.6
9	180	250	50.0	36.0	6.3	0.9
12	320	440	37.5	30.0	8.4	1.2
24	1,280	1,750	18.7	13.4	16.8	2.4
48	4,600		10.4		33.6	4.8

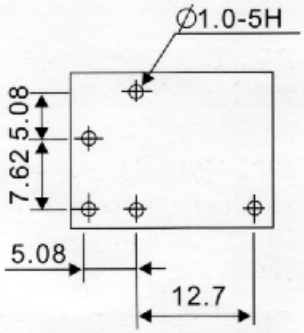
DIMENSIONS(mm)



WIRING DIAGRAM
(BOTTOM VIEW)

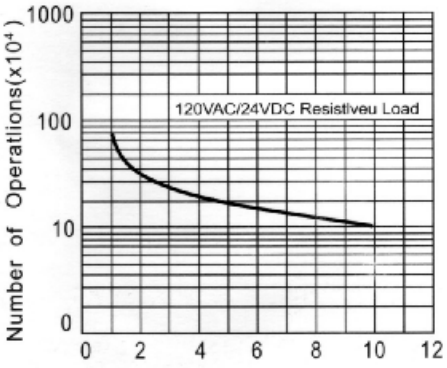


P.C.B LAYOUT
(BOTTOM VIEW)

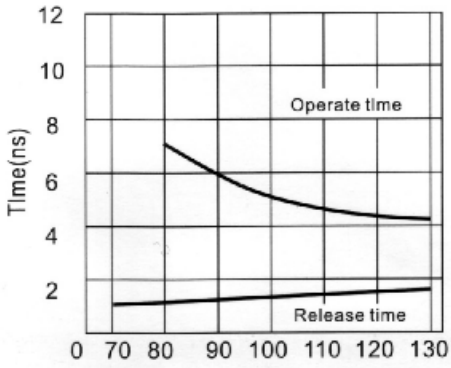


REFERENCIAL DATA

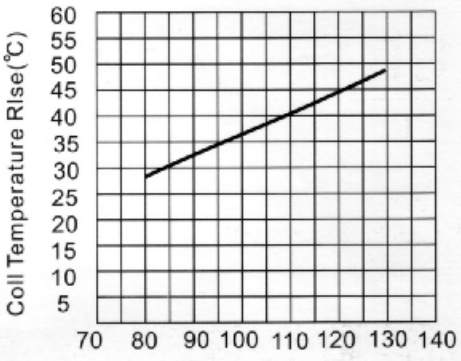
Life expectancy



Operate tIme/Release tIme



Coll temp.rIse



GENERAL DATA

Insulation Resistance	100 MΩ Min. (DC 500V)
Dielectric Strength	750 VAC, 50/60Hz between contact.
	1,500 VAC, 50/60Hz between all elements.
Contact Material	Silver- Cadmium Oxide as standard. Ag Alloy
Contact Resistance	100 milliohms max. (initial value)
Shock Resistance	Malfunction: 10G(11ms) ; Destructive: 100G(6ms)
Vibration Resistance	Malfunction: 10 to 55 Hz. at Double Amplitude of 1.5 mm
	Destructive: 10 to 55 Hz. at Double Amplitude of 1.5 mm
Operation Time	10 ms max.
Release Time	10 ms max.
Temperature Range	- 25°C ~ + 60°C
Expected Life	With operation rate 30/min. Mechanical - 10,000,000 operations min. Electrical - 100,000 operations min. at rated load.
Weight	10 grams