**EN:** This Datasheet/Document is presented by the manufacturer.

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# LMR SERIES

RAYEX ELEC.

ROHS

## FEATURES

- High sensitive type
- Dielectric strength AC 5,000V
- 8mm insulation distance
- Using at home appliances, microwave ovens, air conditioners, audio equipment, temperature controller
- UL FILE NO. : E126157,CUL FILE NO. : E126157
  TUV FILE NO. :R50054883




## ORDERING INFORMATION

| LMR | 1 | H | A | — | ×× | D | L |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 |

1. Type
2. 1:1 POLT
   2:2 POLT
3. NIL:5 PIN
   H :8 PIN
4. NIL:1C
   A:N/O
   B:N/C
5. COIL VOLT
6. D:DC
7. L:H:20.5mm

## COIL DATA (at 25℃)

| DC 0.53 W | | | | |
|---|---|---|---|---|
| CoilNominal Voltage(VDC) | Resistance Tol.±10% (Ohms) | Nominal Current (mA) | Maximum Pick Up Voltage (V) | Minimum Drop Out Voltage (V) |
| 5 | 47 | 106.4 | 4 | 0.5 |
| 12 | 270 | 44.4 | 9.6 | 1.2 |
| 24 | 1,100 | 21.8 | 19.2 | 2.4 |

## CONTACT RATING

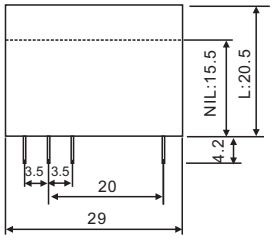
| | | | |
|---|---|---|---|
| LMR1 TYPE (1PDT) | Resistive (Cos.θ = 1) | AC 250V / DC 30V | 12A |
| LMR2 TYPE (2PDT) | Resistive (Cos.θ = 1) | AC 250V / DC 30V | 8A |
| LMR1H TYPE (1PDT) | Resistive (Cos.θ = 1) | AC 250V / DC 30V | 16A |

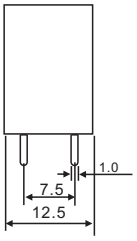
## DIMENSIONS(±0.5mm)

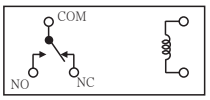
WIRING DIAGRAM (BOTTOM VIEW)

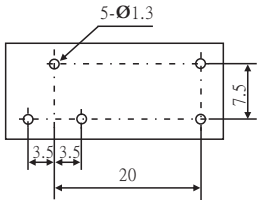
P.C.B LAYOUT (BOTTOM VIEW)

LMR1

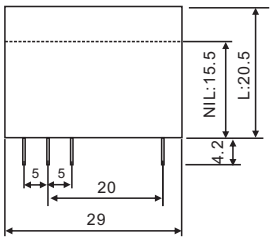


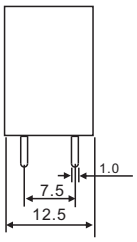



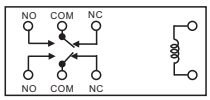



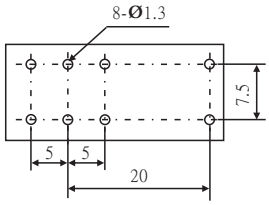




LMR2

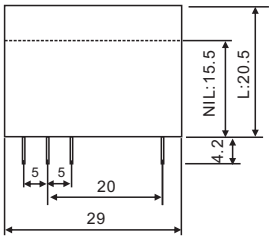


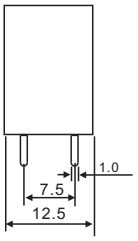



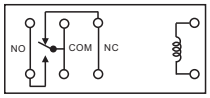



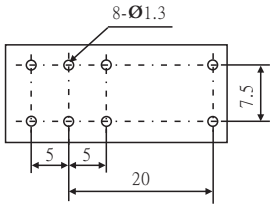




LMR1H




## GENERAL DATA

| | |
|---|---|
| Insulation Resistance | 1,000 MΩ Min. (DC 500V) |
| Dielectric Strength | 1,000 VAC, 50/60Hz between contact. |
| | 5,000 VAC, 50/60Hz between all elements. |
| Contact Material | 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 | 15 ms max. |
| Release Time | 10 ms max. |
| Temperature Range | - 40°C ~ + 85°C |
| Expected Life | With operation rate 30/min.<br>Mechanical - 10,000,000 operations min.<br>Electrical - 100,000 operations min. at rated load. |
| Weight | 12 garms |