

# High Voltage and Transfer Type (1a Reed Relay)

## Part number • Feature

LTM10\*  
└──────────┘ Coil Voltage

High break voltage DC.1000V, High power 15W

## Performance

| Specifications            | Item                        | Standard   |
|---------------------------|-----------------------------|--|
| Contact Specifications    | Contact Form                | 1c (transfer)  |
|                           | Contact Rating              | 15W  |
|                           | Max. Switching Voltage      | DC.200V  |
|                           | Max. Switching Current      | 0.25 A   |
|                           | Max. Carry Current          | 1.0 A  |
|                           | Contact Resistance          | 150 m MAX (Initial)  |
| Electrical Specifications | Breakdown Voltage           | Open Contacts DC.1000V (1 min)<br>Contact to coil DC.1000V (1min)  |
|                           | Insulation Resistance       | Between all isolated pins $1 \times 10^8$ MIN (DC.100V)  |
|                           | Capacitance                 | Open Contacts 3.5pF TYP.   |
|                           | Thermal Electromotive Force | 40 $\mu$ V TYP.  |
|                           | Operate Time                | (incl. bounce) 2.5 mS MAX. (at Nominal Voltage)  |
|                           | Release Time                | (incl. bounce) 3.0 mS MAX. (at Nominal Voltage)  |
| Mechanical Specifications | Vibration                   | 20G (0 to 2KHz 1.5mm)  |
|                           | Shock                       | 30G (11mS 1/2 Sin Wave)  |
| Environment               | Operating Temperature       | -30 to +80   |
| Life Expectancy           | Mechanical                  | $1 \times 10^8$ MIN. Operations  |
|                           | Electrical                  | DC.200V-40mA $5 \times 10^6$ MIN. Operations (R.L.)<br>DC.20V-0.25A $5 \times 10^6$ MIN. Operations (R.L.) |

## Coil Specifications

| Contact Form | Part Number | Nominal Voltage<br>DC. $\pm 10\%$ (V) | Coil Resistance<br>$\pm 10\%$ ( )at20 | Nominal Current<br>(mA) | Must Operate<br>Voltage<br>MAX.(V)at20 |
|--------------|-------------|---------------------------------------|---------------------------------------|-------------------------|--|
| 1c           | LTM-101     | 24                                    | 1600                                  | 15.0                    | 16.8                                   |
|              | LTM-102     | 12                                    | 420                                   | 28.0                    | 8.4                                    |
|              | LTM-103     | 5                                     | 110                                   | 55.0                    | 4.2                                    |

## Dimensions / Terminal Identification (Unit:mm)

