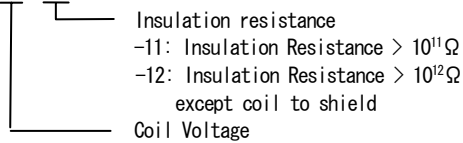


# Low power Consumption Type (1a Mercury Relay)

## ■ Part number · Feature

### ● MAP-1M-\*\* \*\*



- Low power consumption for power saving

## ■ Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	1a (make mercury)
	Contact Rating	30W
	Max. Switching Voltage	DC. 500V
	Max. Switching Current	1 A
	Max. Carry Current	2 A
	Contact Resistance	100 mΩ MAX (Initial)
Electrical Specifications	Breakdown Voltage	Open Contacts DC. 1000V (1 min) Contact to Coil DC. 1000V (1 min) Contact to Shield DC. 1000V (1 min) Coil to Shield DC. 1000V (1 min)
	Insulation Resistance	Between all isolated pins 1×10 <sup>10</sup> Ω MIN (DC. 100V)
	Capacitance	Open Contacts 1.0pF TYP.
	Thermal Electromotive Force	50 μV TYP.
	Operate Time	(1 Pulse) 2.5 mS MAX. (at Nominal Voltage)
Mechanical Specifications	Release Time	(1 Pulse) 2.0 mS MAX. (at Nominal Voltage)
	Vibration	20G (0 to 55Hz 1.5mm)
	Shock	30G (11mS 1/2 Sin Wave)
Environment	Operating Temperature	-10°C to +60°C
Life Expectancy	Mechanical	1X10 <sup>8</sup> MIN. Operations
	Electrical	DC. 30V-30mA 1X10 <sup>8</sup> MIN. Operations (R. L.) DC. 100V-0.1mA 1X10 <sup>8</sup> MIN. Operations (R. L.)

## ■ Coil Specifications

Contact Form	Part Number	Nominal Voltage DC. ±10% (V)	Coil Resistance ±10% (Ω) at 20°C	Nominal Current (mA)	Must Operate Voltage MAX. (V) at 20°C
1a	MAP-1M-24	24	4500	5.0	16.8
	MAP-1M-12	12	1400	8.6	8.5
	MAP-1M-05	5	400	12.5	3.8

## ■ Dimensions / Terminal Identification (Unit:mm)

Dimensions	Terminal Identification
<p style="text-align: center;">weight about 7gr.</p>	<p style="text-align: center;"><b>TOP VIEW</b></p> <p>Note: Mount a relay to be UP indication arrow within ±30°C from a plumb line.</p>