



CMA1 Relay

1.COIL DATA

Nominal Voltage 12VDC
 Nominal Power Consumption 800 mW

2.CONTACT DATA

2-1.Contact Arrangement 1 Form C , 1 Form A
 2-2.Contact Material AgSnO₂
 2-3.Contact Rating 15A 16VDC Resistive (1 Form C)
 20A 16VDC Resistive (1 Form A)
 2-4.Max. Switching Voltage 75 VDC
 2-5.Max. Switching Current 20A
 2-6.Max. Switching Power 160W (1 Form C) 320W (1 Form A)

2-7.Max. Load Current (14VDC Load Voltage)

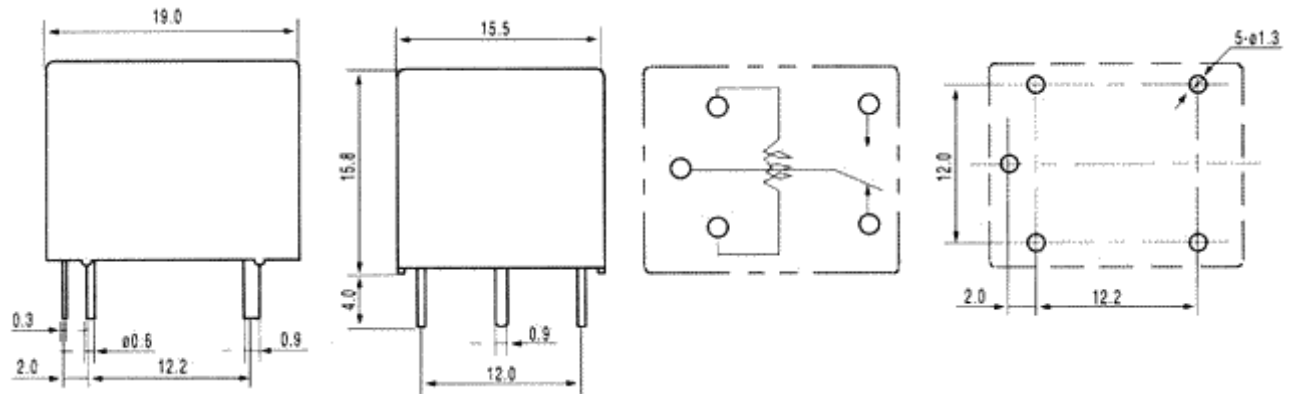
Load	26-531 (Form A)	26-532 (Form C)	
		NO	NC
Max.Carry Current	15A	15A	10A
Max.Make Current	50A	50A	15A
Max.Break Current	15A	15A	10A

2-8.Contact Resistance (Initial) 50 mΩ at 6VDC 1A
 2-9.Life Expectancy Electrical 100,000 operations at nominal load
 Mechanical 200,000 operations at 14VDC resistive load
 10,000,000 operations

3.GENERAL DATA

3-1.Insulation Resistance Min.100Ω, at 500 VDC
 3-2.Dielectric Strength 750VAC , 1min between open contacts
 1,500VAC , 1min between contacts and coil
 3-3.Operate Time Max. 10ms
 3-4.Release Time Max. 5ms
 3-5.Temperature Range -40 to +70 jæ
 3-6.Shock Resistance 10G
 3-7.Vibration Resistance 10 - 55 Hz , Amplitude 1.5mm
 3-8.Weight 12 gr.
 3-9.Safety Standard

4.DIMENSIONS (in mm)



ii

6.COIL DATA CHART

at 20jæ

ORDERING CODE	COIL NOMINAL VDC	COIL RESISTANCE +/- 10%	OPERATE VOLTAGE VDC	RELEASE VOLTAGE VDC	COIL NOMINAL mW
CMA1-S DC12V	12	180Ω	7.2	1.20	800

Table 1

7.CMA1 CHARACTERISTIC DATA

