



VN-2A SERIES

SURFACE MOUNT REED RELAYS

KEY FEATURES

- Ultra high density reed relays
- High reliability, hermetically sealed contacts for long life

ORDER CODE

VN - 2A XXG

(a) **(b)** **(c)** **(d)**

- (a)** Relay Model
- (b)** Contact Form: 2A = 2 Form A
- (c)** Coil Voltage: 05 = 5VDC, 12 = 12VDC
- (d)** Gull Wing Type

COIL DATA-STANDARD TYPE (at 20°C)

PART NUMBER	NOMINAL VOLTAGE DC $\pm 10\%$ [V]	COIL RESISTANCE $\pm 10\%$ [ohm]	NOMINAL CURRENT [mA]	MUST RELEASE VOLTAGE MIN. [V] @ 20°C	MUST OPERATE VOLTAGE MAX. [V] @ 20°C
VN-2A	5	200	25	0.7	3.75
	12	700	17.1	1.2	8.8

CONTACT SPECIFICATIONS

ITEM		PERFORMANCE CHARACTERISTICS
Contact Rating		10W
Switching Voltage		170VDC / 120VAC
Max. Switching Current		0.5A
Max. Carry Current		1.0A
Contact Resistance		150mΩ
Contact Resistance Stability		5mΩ
Breakdown Voltage	Open Contacts	210VDC
	Contacts to Contacts	200VDC
	Contacts to Coil	200VDC

ELECTRICAL SPECIFICATIONS

ITEM	PERFORMANCE CHARACTERISTICS
Insulation Resistance (at 100VDC 20°C, 65% Rh)	1x10 ¹² Ω
Capacitance - Typical across open contacts	0.35pF (Typ)
Operate Time Including Bounce - Typical	0.5mS (Max)
Release Time	0.5mS (Max)

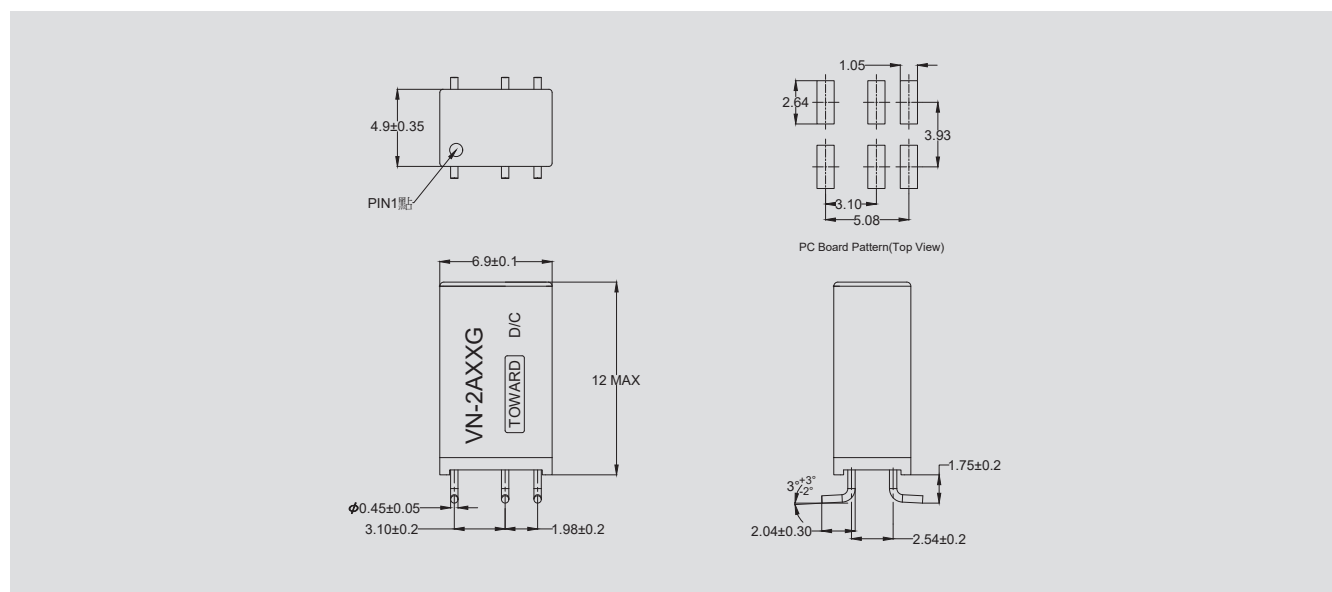
MECHANICAL SPECIFICATIONS

Vibration (2000Hz)	20G
Shock	50G

ENVIRONMENTAL

Operating Temp.		-40°C~+85°C
Storage Temp.		-40°C~+90°C
Life Expectancy	Mechanical	1x10 ⁹ Operations
	Electrical	1V 10mA, 3x10 ⁸ Operations

DIMENSIONS (Unit: mm)



WIRING DIAGRAMS (Top View)

