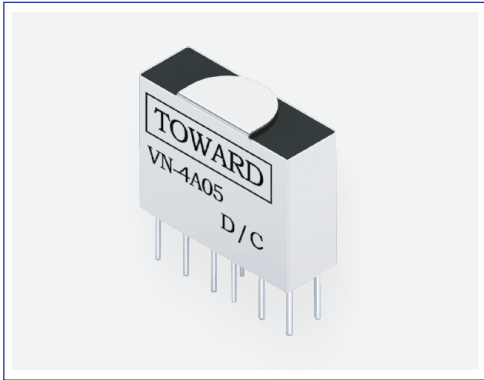




VN-4A SERIES

HIGH DENSITY (VERTICALLY PACKAGED)



KEY FEATURES

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

ORDER CODE

VN-4A XX-X

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

- (a)** Relay Model
- (b)** Contact Form: 4A = 4 Form A
- (c)** Coil Voltage: 05 = 5VDC, 12 = 12VDC
- (d)** Special Code: Nil = Standard, A-Z: Special

COIL DATA-STANDARD TYPE (at 20°C)

PART NUMBER	NOMINAL VOLTAGE DC $\pm 10\%$ [V]	COIL RESISTANCE $\pm 10\%$ [Ω]	NOMINAL CURRENT [mA]	MUST RELEASE VOLTAGE MIN. [V] @ 20°C	MUST OPERATE VOLTAGE MAX. [V] @ 20°C
VN-4A	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		150m Ω
Contact Resistance Stability		5m Ω
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)	$1 \times 10^{12} \Omega$
Capacitance - Typical across open contacts	0.35pF (Typ)
Operate Time Including Bounce - Typical	0.5mS (Max)
Release Time	0.5mS (Max)

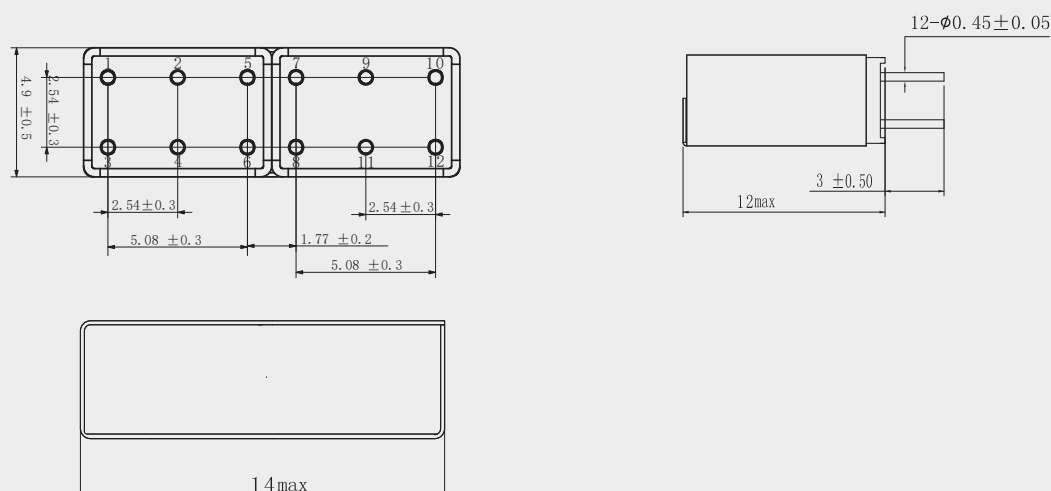
MECHANICAL SPECIFICATIONS

Vibration (2000Hz)	20G
Shock	50G

ENVIRONMENTAL

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

DIMENSIONS (Unit: mm)



WIRING DIAGRAMS (Top View)

