

# TML Series

# TML Hi-Voltage Wet Reed Relays

## Preliminary

### Features

- High Breakdown Voltage of DC.4KV.
- Since it is printed circuit board type, it decreases time and effort of mounting sharply.
- The axial-lead(tubular type) is prepared separately. the magnetic shield is provided.

### Order Code

TML-10<sub>a</sub>X PC

a: Nominal Coil Voltage: 1= 24VDC,2=12VDC,4=5VDC

### Coil Data-Standard Type1 Form A(at 20°C)

Part Number	Nominal Voltage DC ± 10% [V]	Coil Resistance ± 10% [ohm]	Nominal Current [mA]	Must Release Voltage MIN. [V] at 20°C	Must Operate Voltage MAX. [V] at 20°C
TML-101PC	24	1200	20.0	2.0	16.8
TML-102PC	12	400	30.0	1.2	8.4
TML-104PC	5	100	50.0	0.8	3.5

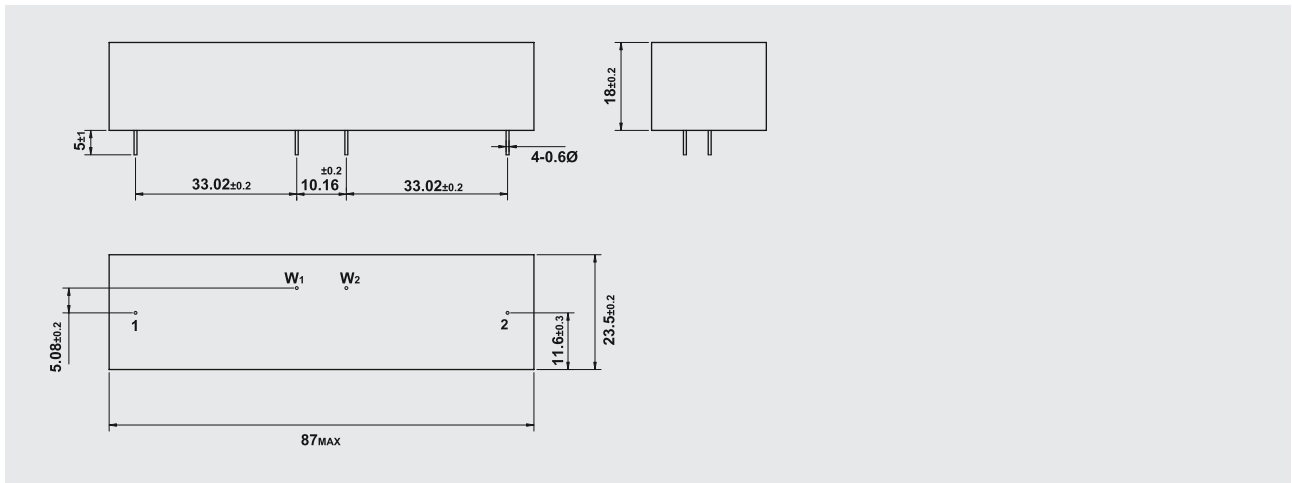
### Contact Rating

Part Number	TML-10XPC
Contact Form	1FormA
Max. Switching Power	100W
Max. Switching Voltage	1000VDC When Switching DC.1000V, Current is 30mA max.
Max. Switching Current	2.0A
Max. Carry Current	10A

**Specifications**

Contact Resistance	100mΩ	
Operate Time	3.0 ms	
Release Time	3.0 ms	
Insulation Resistance	Between all isolated pins $1 \times 10^9 \Omega$ MIN(DC.100V)	
Breakdown Voltage	Between Contacts	4000VDC
	Contacts to Coil	4000VDC
Capacitance	Across Open contacts 3pF Typ. contact to coil 12pF Typ.	
Vibration(0-55Hz.1.5mm)	20G	
Shock(11msec.1/2sin wave)	30G	
Operating Temperature	-10°C~+60°C	
Storage Temperature	-30°C~+80°C	
Life Expectancy	Mechanical	$1 \times 10^{10}$ MIN Operations
	Electrical	DC.1000V.30mA $1 \times 10^8$ MIN Operations(R.L.) DC.50V.2mA $1 \times 10^8$ MIN Operations(R.L.)
Thermal Electromotive Force	80μV TYP	

**Dimensions(Unit:mm)**



**Wiring Diagrams (Top View)**

