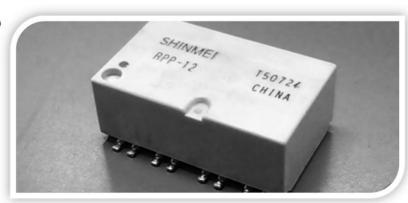
1/3

[] Features

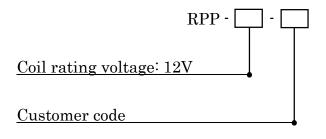
- Twin type (Two relays in one housing) (1 form C x 2)
- Low profile 8mm
- Forward inversion of the DC motor
- → 25A rating

Application

- Motor control
- Solenoid control



Model Number







Products Line (at 20 degree Celsius)

Model number	Nominal Voltage (VDC)	Initial Pick-up Voltage (VDC)	Initial Drop-out Voltage (VDC)	Coil resistance (Ohm +-10%)	Nominal operating current (A+-10%)	Electric power consumption (W)	Allowable voltage (VDC)
RPP-12	12	6.5	0.6	150	0.08	0.96	10-16

[] Typical Specifications

	Item	Specifications			
Contact	Arrangement Initial contact resistance Typical contact resistance Material	1c (1 form C) x2 [Two relays in one housing] $100m\Omega$ max. DC6V1A by voltage drop $4 \sim 7m\Omega$ typ. DC13.5V10A by voltage drop Initial AgSnO alloy			
Contact rating	Nominal switching capacity Max. switching power Max. switching voltage Max. carrying current *1 Min. switching load *2	25A 14VDC (NO side) 480W 16VDC 30A (20C, Coil applied 12V, 1min, Contact initial state) 20A (20C, Coil applied 14V, Continuance, Contact initial state) 1A 14VDC (Resistive load)			
Electrical specific		Min. 100MΩ (at 500VDC) Min. 500VAC Min. 500VAC 180 C 192 C Max. 10ms Max. 10ms	Initial Initial Initial Wire specification Temp index(IEC60172) at nominal voltage at nominal voltage		
Mechanical speci	· ·	98m/s2 980m/s2 10-100Hz 43m/s2 1min, Co 10-100Hz 43m/s2 2hours	-		
Life expectancy	Electrical life	100,000 operations	Motor lock, On:Off=0.5:9.5sec)		
Ambient tempera	Mechanical life ture Operating range	1.000.000 operations -40 ~ +85 C Coil appl	lied 10~16VDC		
Unit weight	Operating range	5 ~ 6 g	ned to toybo		

^{*1} changes by a connection condition. This is not contents to guarantee electricity repeatedly. We performed the confirmation of these contents on the following conditions.

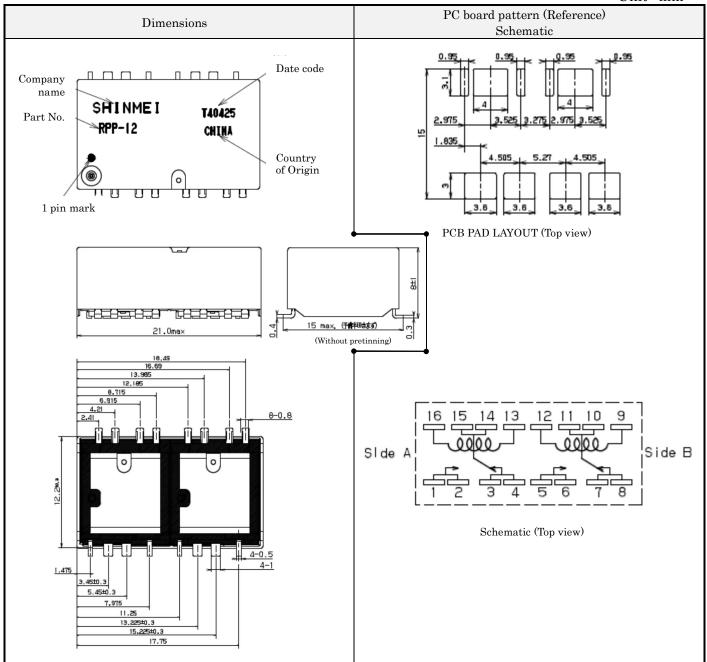
PCB thickness 1.6mm, Copper layer thickness 0.07mm, Copper layer length 1.5~3mm. NO/NC/COM side PCB area 3x3mm, Connecting wire $\phi 2.0mm$ (single line), Wire length $300\sim1000mm$

^{*2 &}quot;switching load" shown above should be seen as an approximate guide. This changes by environment, requirement and reliable. Please confirm the performance on actual operation.

RPP Relays

Dimensions

Unit: mm



Note

- 1. The appearance and specifications of the product may be modified without prior notice to improve its performance.
- 2. This catalog shows only outline specifications. When using the product, please obtain formal specifications for supply.
- 3. Please see appendix "Technical Definitions" and "Technical Notes".
- 4. Please feel free to contact us for relays with the specifications not shown in this catalog.
- 5. Please confirm the performance on actual operation by simulation with actual environments for high reliability.