

HC-PVT



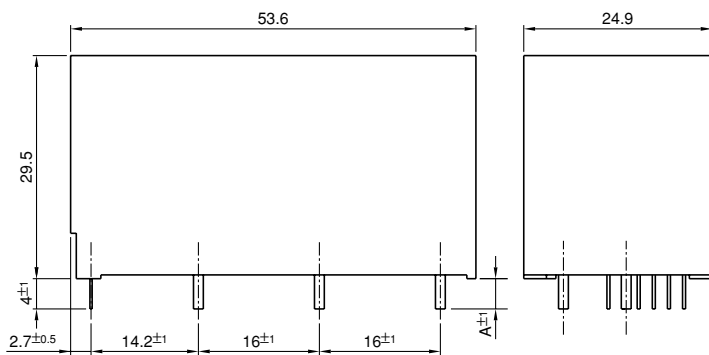
- Rated current10A ~ 50A
- Three circuits can be measured at the same time

Applications

Inverters, servo drivers, power supply equipment, uninterruptible power supply (UPS)

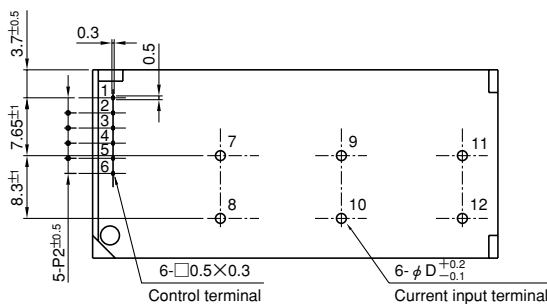
Dimensions

(mm)



- Terminal No.
- 1···(+) terminal
 - 2···(-) terminal
 - 3···GND
 - 4···Output1
 - 5···Output2
 - 6···Output3
 - 7···(+) input1
 - 8···(-) input1
 - 9···(+) input2
 - 10···(-) input2
 - 11···(+) input3
 - 12···(-) input3

Weight : 47g



Weight : 50g

Size of primary winding	Width D	Width A
φ 1.6	φ 1.6	4
φ 1.3	φ 1.3	4
φ 1.0	φ 1.0	4
φ 0.8	φ 0.8	4

Specification

Ta=25°C

Type	HC-PVT10V4B15	HC-PVT20V4B15	HC-PVT30V4B15	HC-PVT50V4B15
Rated current [If]	±10A	±20A	±30A	±50A
Saturation current [Is]	±27.6A	±46A	±69A	±138A
Linearity limits	0~±20A	0~±33.3A	0~±50A	0~±100A
Size of primary winding	φ1.0	φ1.0	φ1.3	φ1.6
Rated output [Vh]	±4V±2% (RL=10kΩ) (excluding residual output)			
Residual output [Vo]	Within ±100mV			
Output linearity	Within ±1%			
Response time	Within 10μs (at di/dt=If/μs)			
Response performance	Within 10%			
Hysteresis voltage range	Within 100mV			
Output Temp. Coef.	Within ±0.1%/°C			
Residual output Temp. Coef.	Within ±3mV/°C			
Control power supply	±15V±5%			
Consumption current	Within 60mA			
Operating Temp.	-10°C~+75°C			
Storage Temp.	-15°C~+85°C			
Dielectric withstand voltage	2500V AC 50/60Hz 1minute			
Insulation resistance	Not less than 500MΩ 500V DC			

Note1) The indicated residual voltage is the one after the core hysteresis is removed.

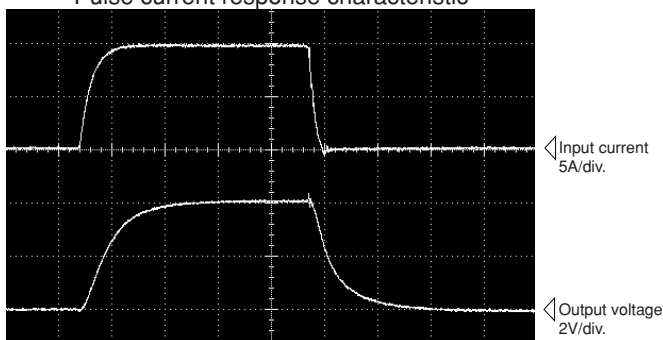
Note2) For continuously flowing DC currents, see the principal characteristics marked by an asterisk (※) on page 1-5.

Characteristics chart

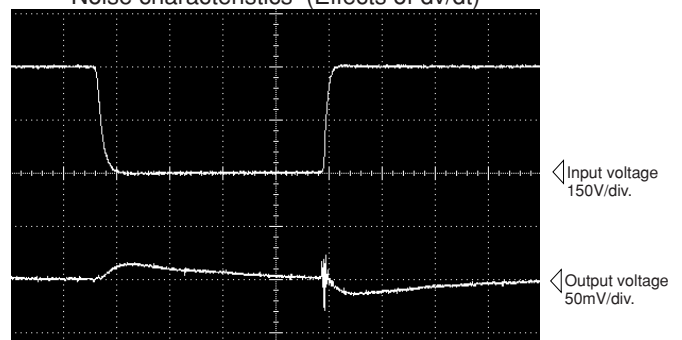
HC-PVT10V4B15

Time base: 5μs/div.

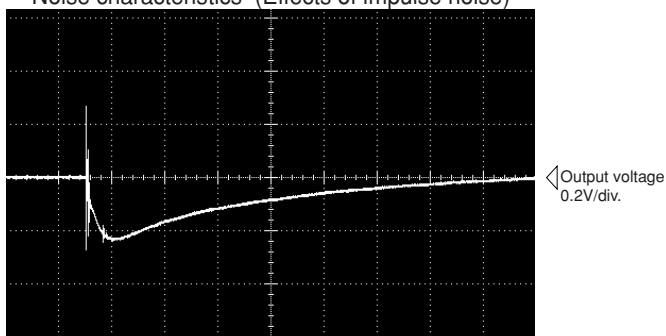
Pulse current response characteristic



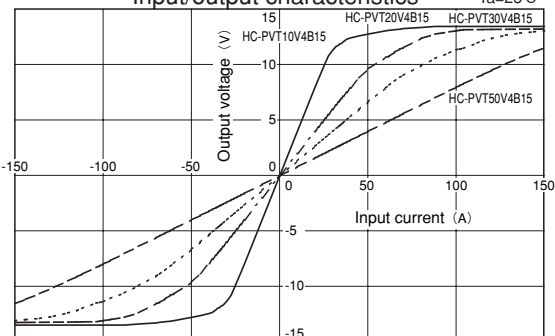
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics



Note : The mark "◁" means 0V or 0A.