

HC-PVT



- Rated current 10A ~ 50A
- Well isolated for European Standards
- Three circuits can be measured at the same time
- For additional ±15V and ±12V products, contact sales@dgseals.com or click below

±15V Spec

±12V Spec

Applications

Inverters, Servo drivers, Power supply equipment, Uninterruptible power supply (UPS)

Dimensions

(mm)

General tolerance: ±0.5

Dimensions of Current Input Terminals

Size of primary winding	Width D	Width A
Φ0.8	Φ0.8	4
Φ1.0	Φ1.0	4
Φ1.3	Φ1.3	4
Φ1.6	Φ1.6	4

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 : 50g

Specification

Ta=25°C

Type	HC-PVT10V4B15	HC-PVT20V4B15	HC-PVT30V4B15	HC-PVT50V4B15
Rated current [If]	±10A	±20A	±30A	±50A
Continuously flowing DC current	±13.8A	±13.8A	±23.3A	±35.4A
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
Turns	5	3	2	1
Rated output [Vh]	V0±4V±2% (RL=10kΩ)			
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~+80°C			
Storage Temp.	-15°C~+85°C			
Dielectric withstand voltage	2500V AC 50/60Hz 1minute			
Insulation resistance	Not less than 500MΩ 500V DC			

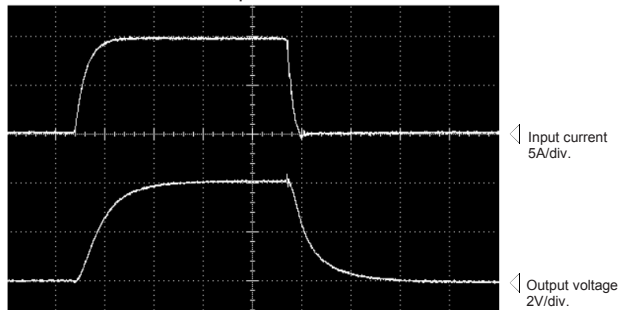
Note1) The indicated residual output is the one after the core hysteresis is removed.

Characteristics chart

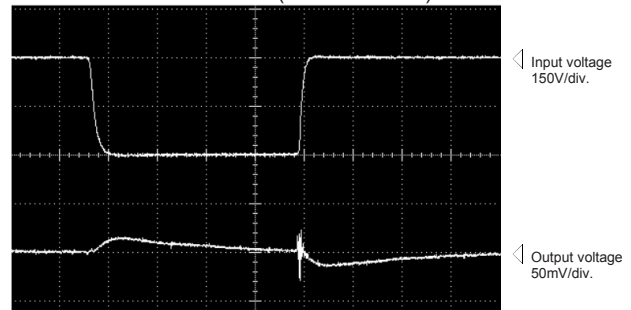
HC-PVT10V4B15

Time base: 5μs/div.

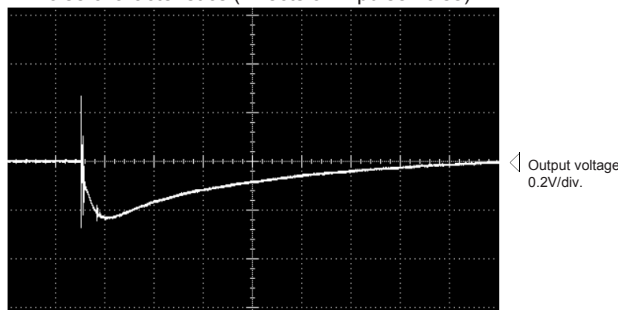
Pulse current response characteristic



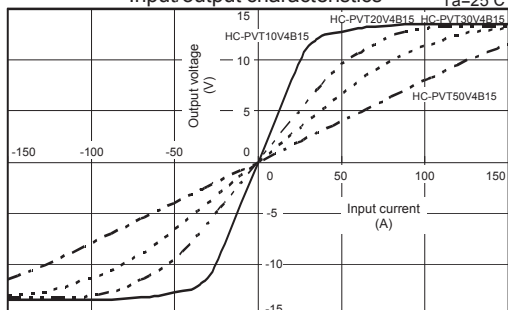
Noise characteristics (Effects of dv/dt)



Noise characteristics (Effects of impulse noise)



Input/output characteristics



Note: The marks "◁" means 0V or 0A.