

### Model name

# PV 3 - 24 - 5

Series name    Output power    Input voltage    Output voltage

### Features

- Input/Output isolation
- Single in-line type
- Over current protection
- Adjustable output voltage

### PV1R5 (1.5W type) Specifications

Model		PV1R5-5-5	PV1R5-5-12	PV1R5-12-5	PV1R5-24-5	PV1R5-48-5
Input Voltage	Vdc	5VDC (4.5 ~ 9.0V)		12VDC (9 ~ 18V)	24VDC (18 ~ 36V)	48VDC (36 ~ 72V)
Output Voltage (*1)	Vdc	5V±5% (6V)	12V±5% (15V)	5V±5% (6V)	5V±5% (6V)	5V±5% (6V)
Output Current (max)	mA	0 ~ 300 (250)	0 ~ 125 (100)	0 ~ 300 (250)	0 ~ 300 (250)	0 ~ 300 (250)
Output Power (max)	W	1.5	1.5	1.5	1.5	1.5
Withstand Voltage	—	Input to Output : 500VAC for 1 minute				
Cooling	—	Convection cooling				
Operating Temperature	—	-20 ~ +70°C (-20 ~ +50°C: 100%, +60°C: 70%, +70°C: 40%)				

### PV3 (3W type) Specifications

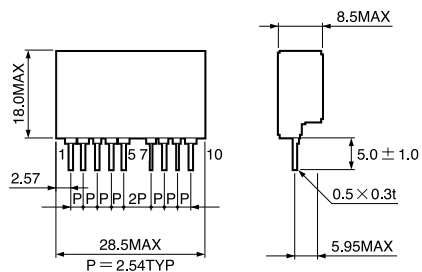
Model		PV3-5-5	PV3-5-12	PV3-12-5	PV3-24-5	PV3-48-5
Input Voltage	Vdc	5VDC (4.5 ~ 9.0V)		12VDC (9 ~ 18V)	24VDC (18 ~ 36V)	48VDC (36 ~ 72V)
Output Voltage (*1)	Vdc	5V±5%	12V±5% (15V)	5V±5%	5V±5%	5V±5%
Output Current (max)	mA	0 ~ 600 (500)	0 ~ 250 (200)	0 ~ 600 (500)	0 ~ 600 (500)	0 ~ 600 (500)
Output Power (max)	W	3.0	3.0	3.0	3.0	3.0
Withstand Voltage	—	Input to Output : 500VAC for 1 minute				
Cooling	—	Convection cooling				
Operating Temperature	—	-20 ~ +70°C (-20 ~ +50°C: 100%, +60°C: 70%, +70°C: 40%)				

(\*1) Refer to Terminal connection

(\*2) External capacitors are required at both input and output.

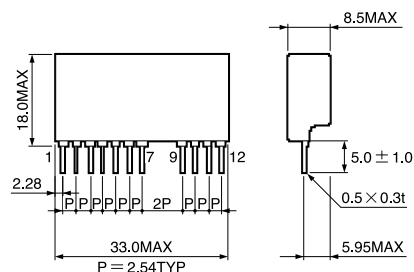
(\*3) Over current protection: Output current limiting automatic recovery. Avoid to operate overload or dead short for more than 30 seconds.

### Outline drawing PV1R5 (1.5W type)



- 1 : +V Output pin      5 : TRM Output voltage setting pin  
2,3: NC No connect    7,8 : -V Input pin  
4 : -V Output pin      9,10: +V Input pin

### PV3 (3W type)



- 1,2: +V Output pin      7 : TRM Output voltage setting pin  
3,4: NC No connect    9,10 : -V Input pin  
5,6: -V Output pin      11,12: +V Input pin

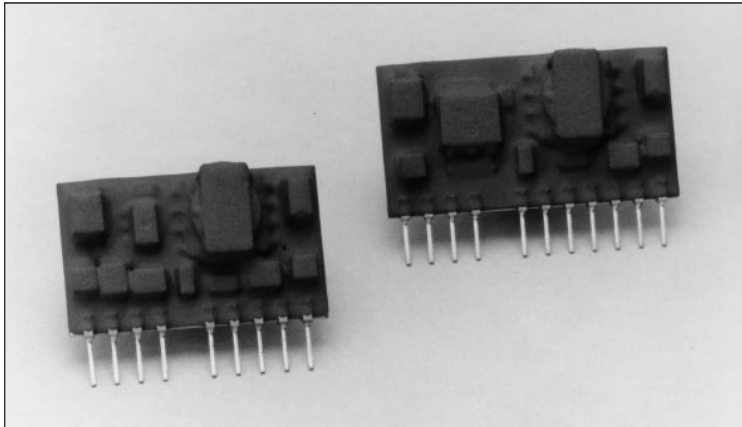
### Terminal connection

Output voltage can be adjusted by TRM terminal.

Output power must be within the rating, when increasing the output voltage.

PP1R5 (1.5W type)    12V output: 5pin open    15V output: 5pin to 4pin connected

PP3 (3W type)      12V output: 7pin open    15V output: 7pin to 5pin (6pin) connected  
(5V type adjustable to 6V)



### Model name

**PVD 3 - 24 - 1212**

Series name    Output power    Input voltage    Output voltage

### Features

- Input/Output isolation
- Single in-line type
- Over current protection
- Adjustable output voltage

### PVD1R5 (1.5W type) Specifications

Model	PVD1R5-5-1212		PVD1R5-12-1212		PVD1R5-24-1212		PVD1R5-48-1212	
Input Voltage	Vdc	5VDC (4.5~9.0V)		12VDC (9~18V)		24VDC (18~36V)		48VDC (36~72V)
Output Voltage (*1)	Vdc	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)	±12V±5% (±15V±5%)
Output Current (max)	mA	0 ~ ±60	(0 ~ ±50)	0 ~ ±60	(0 ~ ±50)	0 ~ ±60	(0 ~ ±50)	0 ~ ±60 (0 ~ ±50)
Output Power (max)	W	1.44	(1.5)	1.44	(1.5)	1.44	(1.5)	1.44 (1.5)
Withstand Voltage	—	Input to Output : 500VAC for 1 minute						
Cooling	—	Convection cooling						
Operating Temperature	—	-20 ~ +70°C (-20 ~ +50°C: 100%, +70°C: 50%)						

### PVD3 (3W type) Specifications

Model	PVD3-5-1212		PVD3-12-1212		PVD3-24-1212		PVD3-48-1212	
Input Voltage	Vdc	5VDC (4.5~9.0V)		12VDC (9~18V)		24VDC (18~36V)		48VDC (36~72V)
Output Voltage (*1)	Vdc	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)	±12V±5%	(±15V±5%)	±12V±5% (±15V±5%)
Output Current (max)	mA	0 ~ ±125	(0 ~ ±100)	0 ~ ±125	(0 ~ ±100)	0 ~ ±125	(0 ~ ±100)	0 ~ ±125 (0 ~ ±100)
Output Power (max)	W	3.0		3.0		3.0		3.0
Withstand Voltage	—	Input to Output : 500VAC for 1 minute						
Cooling	—	Convection cooling						
Operating Temperature	—	-20 ~ +70°C (-20 ~ +50°C: 100%, +70°C: 50%)						

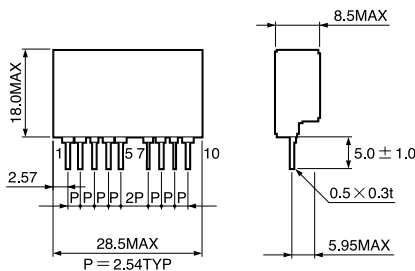
(\*1) Refer to Terminal connection

(\*2) External capacitors are required at both input and output.

(\*3) Over current protection: Output current limiting automatic recovery. Avoid to operate overload or dead short for more than 30 seconds.

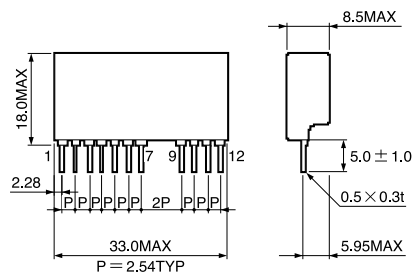
### Outline drawing

#### PVD1R5 (1.5W type)



- 1 : +V Output pin    5 : TRM Output voltage setting pin  
2,3: Common ground pin    7,8 : -V Input pin  
4 : -V Output pin    9,10: +V Input pin

#### PVD3 (3W type)



- 1,2: +V Output pin    7 : TRM Output voltage setting pin  
3,4: Common ground pin    9,10 : -V Input pin  
5,6: -V Output pin    11,12: +V Input pin

### Terminal connection

Output voltage can be adjusted by TRM terminal.

Output power must be within the rating, when increasing the output voltage.

PPD1R5 (1.5W type)    ±12V output: 5pin open ±15V output: 5pin to 4pin connected

PPD3 (3W type)    ±12V output: 7pin open ±15V output: 7pin to 5pin (6pin) connected