

Model name

PC6-24-5

Series name Output power Input voltage Output voltage

Features

- Input/Output isolation
- 5 dimensions shield metal case
- Over current protection
- Adjustable output voltage
- Remote ON/OFF control (6W type)

PC1R5 (1.5W type) Specifications

Model	PC1R5 -5-3.3	PC1R5 -5-5	PC1R5 -5-12	PC1R5 -12-3.3	PC1R5 -12-5	PC1R5 -12-12	PC1R5 -24-3.3	PC1R5 -24-5	PC1R5 -24-12	PC1R5 -48-3.3	PC1R5 -48-5	PC1R5 -48-12
Input Voltage	Vdc 5VDC (4.5 ~ 9.0V)			12VDC (9 ~ 18V)			24VDC (18 ~ 36V)			48VDC (36 ~ 72V)		
Output Voltage (*1)	Vdc 3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)
Output Current	mA 0 ~ 400	0 ~ 300	0 ~ 125 (0 ~ 100)	0 ~ 400	0 ~ 300	0 ~ 125 (0 ~ 100)	0 ~ 400	0 ~ 300	0 ~ 125 (0 ~ 100)	0 ~ 400	0 ~ 300	0 ~ 125 (0 ~ 100)
Output Power (max)	W 1.32	1.5	1.5	1.32	1.5	1.5	1.32	1.5	1.5	1.32	1.5	1.5
Efficiency (typ) (*2)	% 66	69	71 (70)	70	73	75 (73)	70	75	76 (75)	70	73	76 (75)

PC3 (3W type) Specifications

Model	PC3 -5-3.3	PC3 -5-5	PC3 -5-12	PC3 -12-3.3	PC3 -12-5	PC3 -12-12	PC3 -24-3.3	PC3 -24-5	PC3 -24-12	PC3 -48-3.3	PC3 -48-5	PC3 -48-12
Input Voltage	Vdc 5VDC (4.5 ~ 9.0V)			12VDC (9 ~ 18V)			24VDC (18 ~ 36V)			48VDC (36 ~ 72V)		
Output Voltage (*1)	Vdc 3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)
Output Current	mA 0 ~ 600	0 ~ 600	0 ~ 250 (0 ~ 200)	0 ~ 600	0 ~ 600	0 ~ 250 (0 ~ 200)	0 ~ 600	0 ~ 600	0 ~ 250 (0 ~ 200)	0 ~ 600	0 ~ 600	0 ~ 250 (0 ~ 200)
Output Power (max)	W 1.98	3.0	3.0	1.98	3.0	3.0	1.98	3.0	3.0	1.98	3.0	3.0
Efficiency (typ) (*2)	% 65	70	72 (72)	70	75	77 (77)	70	75	78 (78)	70	75	79 (79)

PC6 (6W type) Specifications

Model	PC6 -5-3.3	PC6 -5-5	PC6 -5-12	PC6 -12-3.3	PC6 -12-5	PC6 -12-12	PC6 -24-3.3	PC6 -24-5	PC6 -24-12	PC6 -48-3.3	PC6 -48-5	PC6 -48-12
Input Voltage	Vdc 5VDC (4.5 ~ 9.0V)			12VDC (9 ~ 18V)			24VDC (18 ~ 36V)			48VDC (36 ~ 72V)		
Output Voltage (*1)	Vdc 3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)	3.3V±5%	5V±5%	12V±5% (15V±5%)
Output Current	mA 0 ~ 1200	0 ~ 1000	0 ~ 500 (0 ~ 400)	0 ~ 1500	0 ~ 1200	0 ~ 500 (0 ~ 400)	0 ~ 1500	0 ~ 1200	0 ~ 500 (0 ~ 400)	0 ~ 1500	0 ~ 1200	0 ~ 500 (0 ~ 400)
Output Power (max)	W 3.96	6.0	6.0	4.95	6.0	6.0	4.95	6.0	6.0	4.95	6.0	6.0
Efficiency (typ) (*2)	% 70	74	78 (78)	73	77	84 (84)	77	82	84 (84)	77	82	85 (85)
Remote ON/OFF control	— Possible (CNT terminal)											

Common specifications

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%)
Over Current Protection	Output current limiting, automatic recovery. Avoid to operate overload or dead short for more than 30 seconds.
Input Protection	Built in Fuse on input line

(*1) Measured at the maximum output power with rated input voltage (5VDC, 12VDC, 24VDC, 48VDC)

(*2) At rated input voltage & maximum output power.

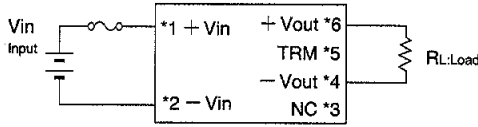
Terminal connection

[PC1R5 (1.5W type) / PC3 (3W type)]

Output voltage can be adjustable by TRM terminal.

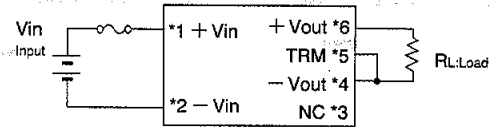
Output power must be within the rating, when increasing the output voltage.

*1 TRM terminal: Open



Type	3.3V type	5V type	12V type
Output voltage	3.3V	5V	12V

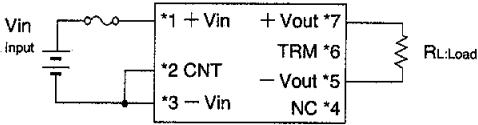
*2 TRM terminal & -Vout terminal: Short



Type	3.3V type	5V type	12V type
Output voltage	3.67V	6V	15V

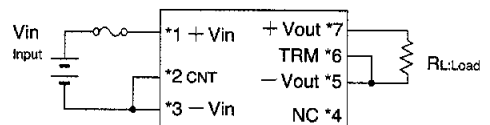
[PC6 (6W type)]

*1 TRM terminal: Open



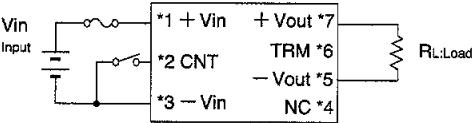
Type	3.3V type	5V type	12V type
Output voltage	3.3V	5V	12V

*2 TRM terminal & -Vout terminal: Short



Type	3.3V type	5V type	12V type
Output voltage	3.67V	6V	15V

*3 CNT terminal: Remote ON/OFF control



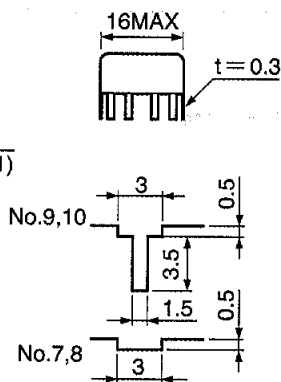
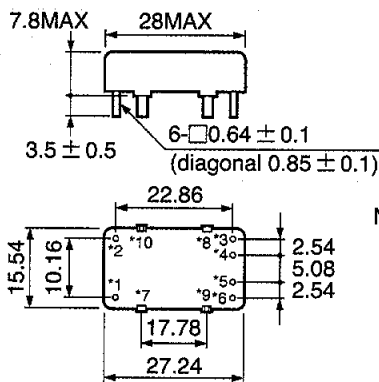
CNT terminal	Output
CNT --Vin: Short or 0 ~ 0.4V	ON
CNT --Vin: Open or 2V ~ Vin	OFF

* Output voltage: Refer to TRM terminal connection

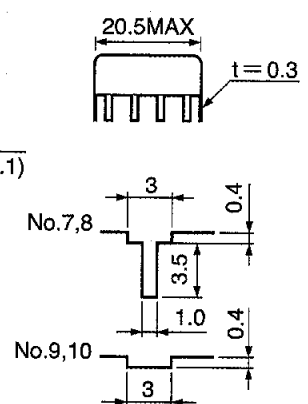
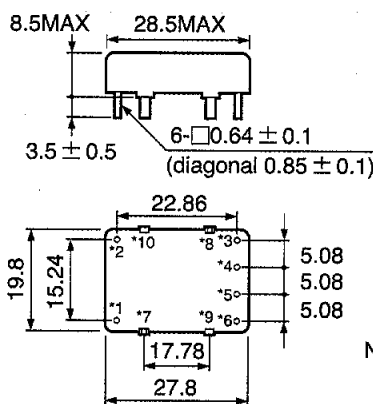
On-Board Type Power Supply

Outline drawing

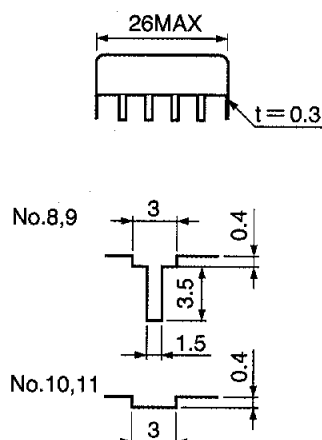
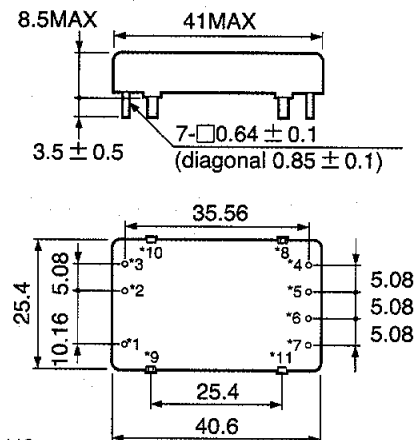
• PC1R5 (1.5W type)



• PC3 (3W type)



• PC6 (6W type)



(Unit: mm)
Dimension tolerance not designated is ±0.3.