



# 0.25 WATT SIP MINIATURE DC/DC CONVERTERS

Unregulated, 1000Vdc Isolation, Single Output

## FEATURES

- \* 0.25 Watt Output
- \* Unregulated
- \* Single Output
- \* 4-Pin SIP Package

## GENERAL SPECIFICATIONS

- \* Efficiency ..... 70% Typ.
- \* Short Circuit Protection.....1.0 Second
- \* Isolation Voltage ..... 1000Vdc min.
- \* Operating Temperature ..... -40 to +75°C

## INPUT SPECIFICATIONS

- \* Voltage ..... Per Table Vdc
- \* Voltage Range ..... ±10%
- \* Input Filter ..... Cap

## OUTPUT SPECIFICATIONS

- \* Voltage ..... Per Table
- \* Voltage Accuracy ..... ±5%
- \* Ripple & Noise 20MHz BW ..... 50mV p-p
- \* Line Regulation..... 1.2%/1% of Vin
- \* Load Regulation ..... ±10%  
Output TYP..... ±15 % Max

**ELECTRICAL SPECIFICATIONS AT 25°C - OPERATING TEMPERATURE RANGE -40°C TO +85°C**

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)
PDCS060	1.8	1.8	139
PDCS061	3.3	1.8	139
PDCS062	5	1.8	139
PDCS063	9	1.8	139
PDCS064	12	1.8	139
PDCS065	15	1.8	139
PDCS066	24	1.8	139
PDCS070	1.8	3.3	76
PDCS071	3.3	3.3	76
PDCS072	5	3.3	76
PDCS073	9	3.3	76
PDCS074	12	3.3	76
PDCS075	15	3.3	76
PDCS076	24	3.3	76
PDCS080	1.8	5	50
PDCS081	3.3	5	50
PDCS082	5	5	50
PDCS083	9	5	50
PDCS084	12	5	50
PDCS085	15	5	50
PDCS086	24	5	50
PDCS090	1.8	9	28
PDCS091	3.3	9	28
PDCS092	5	9	28
PDCS093	9	9	28
PDCS094	12	9	28
PDCS095	15	9	28
PDCS096	24	9	28

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)
PDCS100	1.8	12	21
PDCS0101	3.3	12	21
PDCS102	5	12	21
PDCS103	9	12	21
PDCS104	12	12	21
PDCS105	15	12	21
PDCS106	24	12	21
PDCS110	1.8	15	17
PDCS111	3.3	15	17
PDCS112	5	15	17
PDCS113	9	15	17
PDCS114	12	15	17
PDCS115	15	15	17
PDCS116	24	15	17
PDCS120	1.8	24	10.4
PDCS121	3.3	24	10.4
PDCS122	5	24	10.4
PDCS123	9	24	10.4
PDCS124	12	24	10.4
PDCS125	15	24	10.4
PDCS126	24	24	10.4

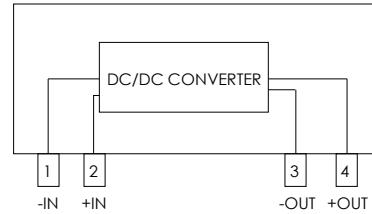
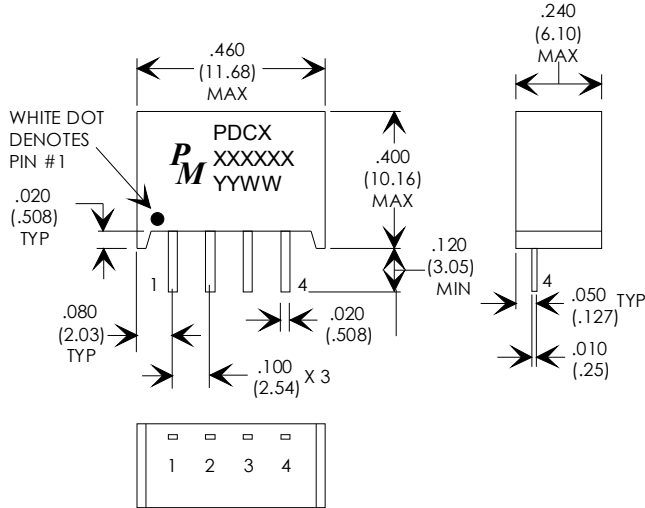
Specifications subject to change without notice.

PDCx000x 10/13

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**PACKAGE**      **PHYSICAL DIMENSIONS**      **SCHEMATIC**  
DIMENSIONS IN inches (mm)



PIN NUMBER	SINGLE OUTPUT
1	-INPUT
2	+INPUT
3	-Vout
4	+Vout