



1.0 WATT SIP MINIATURE DC/DC CONVERTERS

Unregulated, 1000Vdc Isolation, Single Output

GENERAL SPECIFICATIONS

- * Efficiency 70% Min.
- * Short Circuit Protection.....1.0 Second.
- * Isolation Voltage 1000Vdc min.
- * Operating Temperature-40 to +85°C.
- * Storage Temperature-55 to +125°C.
- * Isolation Capacitance80pF Typ.
- * Isolation Resistance10GOhm.

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 3.3V, 5V..... 1.3%/1% of Vin
- * Line Regulation 9V,12V&15V,24V 1.3%/1% of Vin
- * Load Regulation10 to 100%
3.3V, 5V Output.....15 % Max
9V, 12V, 15V, 24V.....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.)
PDCS10001	1.8	1.8	555
PDCS10002	3.3	1.8	555
PDCS10003	5	1.8	555
PDCS10004	9	1.8	555
PDCS10005	12	1.8	555
PDCS10006	15	1.8	555
PDCS10007	24	1.8	555
PDCS10011	1.8	3.3	300
PDCS10012	3.3	3.3	300
PDCS10013	5	3.3	300
PDCS10014	9	3.3	300
PDCS10015	12	3.3	300
PDCS10016	15	3.3	300
PDCS10017	24	3.3	300
PDCS10021	1.8	5	200
PDCS10022	3.3	5	200
PDCS10023	5	5	200
PDCS10024	9	5	200
PDCS10025	12	5	200
PDCS10026	15	5	200
PDCS10027	24	5	200
PDCS10031	1.8	9	111
PDCS10032	3.3	9	111
PDCS10033	5	9	111
PDCS10034	9	9	111
PDCS10035	12	9	111
PDCS10036	15	9	111
PDCS10037	24	9	111

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)
PDCS10041	1.8	12	84
PDCS10042	3.3	12	84
PDCS10043	5	12	84
PDCS10044	9	12	84
PDCS10045	12	12	84
PDCS10046	15	12	84
PDCS10047	24	12	84
PDCS10051	1.8	15	66
PDCS10052	3.3	15	66
PDCS10053	5	15	66
PDCS10054	9	15	66
PDCS10055	12	15	66
PDCS10056	15	15	66
PDCS10057	24	15	66
PDCS10061	1.8	24	42
PDCS10062	3.3	24	42
PDCS10063	5	24	42
PDCS10064	9	24	42
PDCS10065	12	24	42
PDCS10066	15	24	42
PDCS10067	24	24	42

Specifications subject to change without notice.

PDCS010xx 10/13

New

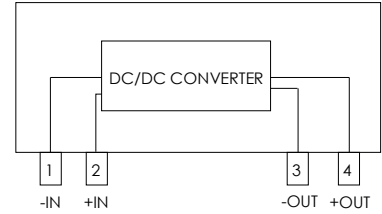
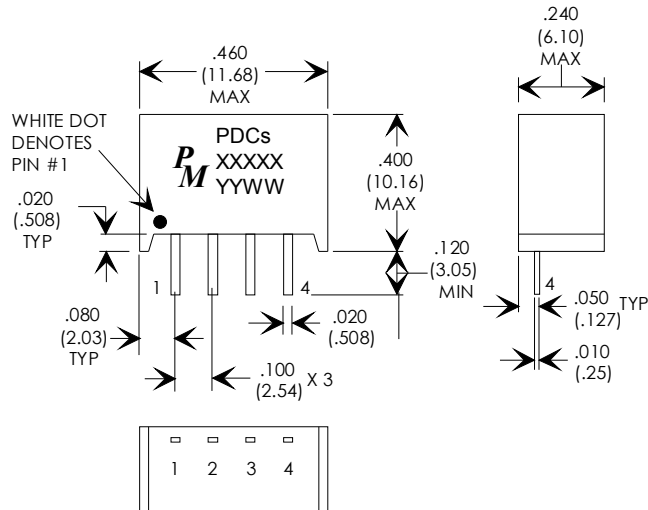


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PACKAGE PHYSICAL DIMENSIONS SCHEMATIC

DIMENSIONS IN inches (mm)



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