



1.0 WATT SIP MINIATURE DC/DC CONVERTERS

Unregulated, 3000Vdc Isolation, Single & Dual Output

GENERAL SPECIFICATIONS

- * Efficiency 68% Min.
- * Short Circuit Protection.....1.0 Second.
- * Isolation Voltage 3000Vdc min.
- * Operating Temperature-40 to +85°C.
- * Storage Temperature-55 to +125°C.
- * Isolation Capacitance60pF Typ.
- * Isolation Resistance15GOhm.

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.)
PDCS10071	1.8	1.8	555
PDCS10072	3.3	1.8	555
PDCS10073	5	1.8	555
PDCS10074	9	1.8	555
PDCS10075	12	1.8	555
PDCS10076	15	1.8	555
PDCS10077	1.8	555	
PDCS10078	1.8	3.3	300
PDCS10079	3.3	3.3	300
PDCS10080	5	3.3	300
PDCS10081	9	3.3	300
PDCS10072	12	3.3	300
PDCS10083	15	3.3	300
PDCS10084	24	3.3	300
PDCS10085	1.8	5	200
PDCS10086	3.3	5	200
PDCS10087	5	5	200
PDCS10088	9	5	200
PDCS10089	12	5	200
PDCS10090	15	5	200
PDCS10091	24	5	200
PDCS10092	1.8	9	111
PDCS10093	3.3	9	111
PDCS10094	5	9	111
PDCS10095	9	9	111
PDCS10096	12	9	111
PDCS10097	15	9	111
PDCS10098	24	9	111

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)
PDCS10099	1.8	12	84
PDCS10100	3.3	12	84
PDCS10101	5	12	84
PDCS10102	9	12	84
PDCS10103	12	12	84
PDCS10104	15	12	84
PDCS10105	24	12	84
PDCS10106	1.8	15	66
PDCS10107	3.3	15	66
PDCS10108	5	15	66
PDCS10109	9	15	66
PDCS10110	12	15	66
PDCS10111	15	15	66
PDCS10112	24	15	66
PDCS10113	1.8	24	42
PDCS10114	3.3	24	42
PDCS10115	5	24	42
PDCS10116	9	24	42
PDCS10117	12	24	42
PDCS10118	15	24	42
PDCS10119	24	24	42

Specifications subject to change without notice.

PDCS010xx 10/13



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PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)
PDCD10071	1.8	±1.8	±278
PDCD10072	3.3	±1.8	±278
PDCD10073	5	±1.8	±278
PDCD10074	9	±1.8	±278
PDCD10075	12	±1.8	±278
PDCD10076	15	±1.8	±278
PDCD10077	24	±1.8	±278
PDCD10078	1.8	±3.3	±152
PDCD10079	3.3	±3.3	±152
PDCD10080	5	±3.3	±152
PDCD10081	9	±3.3	±152
PDCD10082	12	±3.3	±152
PDCD10083	15	±3.3	±152
PDCD10084	24	±3.3	±152
PDCD10085	1.8	±5	±100
PDCD10086	3.3	±5	±100
PDCD10087	5	±5	±100
PDCD10088	9	±5	±100
PDCD10089	12	±5	±100
PDCD10090	15	±5	±100
PDCD10091	24	±5	±100
PDCD10092	1.8	±9	±55
PDCD10093	3.3	±9	±55
PDCD10094	5	±9	±55
PDCD10095	9	±9	±55
PDCD10096	12	±9	±55
PDCD10097	15	±9	±55
PDCD10098	24	±9	±55

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)
PDCD10099	1.8	±12	±42
PDCD10100	3.3	±12	±42
PDCD10101	5	±12	±42
PDCD10102	9	±12	±42
PDCD10103	12	±12	±42
PDCD10104	15	±12	±42
PDCD10105	24	±12	±42
PDCD10106	1.8	±15	±33
PDCD10107	3.3	±15	±33
PDCD10108	5	±15	±33
PDCD10109	9	±15	±33
PDCD10110	12	±15	±33
PDCD10111	15	±15	±33
PDCD10112	24	±15	±33
PDCD10113	1.8	±24	±33
PDCD10114	3.3	±24	±33
PDCD10115	5	±24	±33
PDCD10116	9	±24	±33
PDCD10117	12	±24	±33
PDCD10118	15	±24	±33
PDCD10119	24	±24	±33

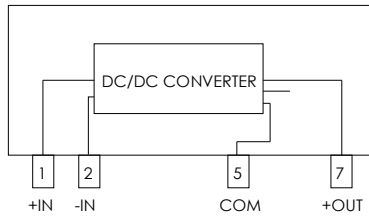
PIN NUMBER	SINGLE OUTPUT	DUAL OUTPUT
1	+INPUT	+INPUT
2	-INPUT	-INPUT
5	-Vout	-Vout
6	NO PIN	COM
7	+Vout	+Vout

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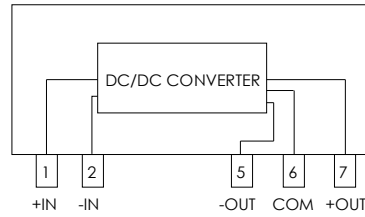
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SCHEMATIC

SINGLE



DUAL



PACKAGE 01XXX

PHYSICAL DIMENSIONS DIMENSIONS IN inches (mm)

