



1.0 WATT SIP MINIATURE DC/DC CONVERTERS

Unregulated, 5200Vdc Isolation, Single & Dual Output

GENERAL SPECIFICATIONS

- * Efficiency 70% Min.
- * Short Circuit Protection.....1.0 Second
- * Isolation Voltage 5200Vdc min.
- * Operating Temperature-40 to +85°C
- * Storage Temperature-55 to +125°C
- * Isolation Resistance20GOhm
- * Isolation Capacitance10pF Typ.

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..... 1.2%/1% of Vin

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.)	Eff (%typ)
PDCS10171	5	5	200	70%
PDCS10172	5	9	111	75%
PDCS10173	5	12	84	80%
PDCS10174	5	15	66	82%
PDCS10175	12	5	200	70%
PDCS10176	12	9	111	75%
PDCS10177	12	12	84	80%
PDCS10178	12	15	66	82%
PDCS10179	15	5	200	70%
PDCS10180	15	9	111	75%
PDCS10181	15	12	84	80%
PDCS10182	15	15	66	82%
PDCS10183	24	5	200	70%
PDCS10184	24	9	111	75%
PDCS10185	24	12	84	80%
PDCS10186	24	15	66	82%

PART NUMBER	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA max.)	Eff (%typ)
PDCD10171	5	±5	±100	70%
PDCD10172	5	±9	±56	75%
PDCD10173	5	±12	±42	78%
PDCD10174	5	±15	±33	80%
PDCD10175	12	±5	±100	70%
PDCD10176	12	±9	±56	75%
PDCD10177	12	±12	±42	78%
PDCD10178	12	±15	±33	80%
PDCD10179	15	±5	±100	70%
PDCD10180	15	±9	±56	75%
PDCD10181	15	±12	±42	78%
PDCD10182	15	±15	±33	80%
PDCD10183	24	±5	±100	70%
PDCD10184	24	±9	±56	75%
PDCD10185	24	±12	±42	78%
PDCD10186	24	±15	±33	80%

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

Specifications subject to change without notice.

PDCS010xx 10/13