

DC/DC CONVERTER

REGULAR
3WATT



PD30...D-MDN

KEY FEATURES

- * High I/O isolation voltage
- * Single and dual outputs
- * Input filter
- * 50KHz Min. switching frequency
- * Compatible to other manufacturers' products

APPLICATIONS

- * Telecommunications / Lan
- * Industrial machines

ELECTRICAL SPECIFICATIONS

INPUT

- * Input range ----- +/-10% Max
- * Input filter ----- Pi-network

OUTPUT

- * Output voltage accuracy --- +/- 3% Max.
- * Line regulation (HL - LL) --- +/-1.2% Max.
- * Load regulation (1/5L - FL) --- +/-8% Max.
- * Ripple and noise, 20MHz bandwidth --- 100mVp-p Max.
- * Temperature coefficient --- +/-0.03%/°C
- * Short circuit protection --- Momentary

GENERAL

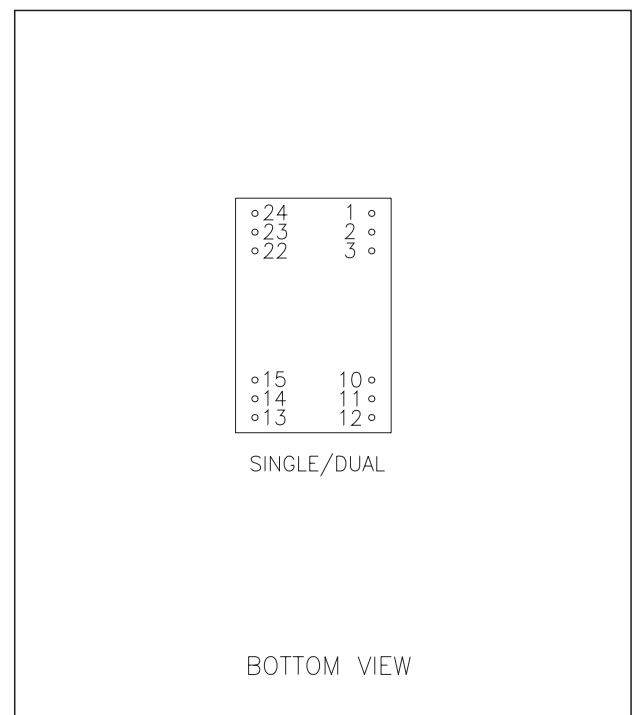
- * Operating frequency ----- 50KHz Min.
- * I/O isolation voltage ----- 1000 VDC
- * I/O resistance ----- 1G ohms Min.
- * Efficiency ----- 78 ~ 85% Min.
- * Isolation Capacitance ----- 80pF Max

ENVIRONMENTAL

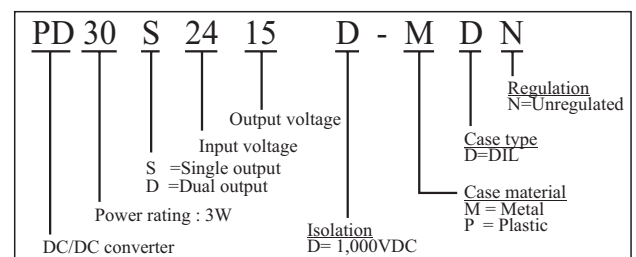
- * Operating temperature range ----- -25 ~ +70°C
- * Storage temperature range ----- -40 ~ +100°C
- * Cooling ----- Free air convection

All specifications typical at nominal line, full load, and 25°C unless otherwise noted.

PIN ASSIGNMENT



ORDERING INFORMATION



INPUT / OUTPUT SPECIFICATION

TYPE PD	Input Voltage(VDC)	Input Current (mA)		Output Voltage(VDC)	Output Current (mA)
		No load	Full load		
PD30S0505D-MDN	5	50	780	5	600
PD30S0509D-MDN	5	50	760	9	330
PD30S0512D-MDN	5	50	750	12	250
PD30S0515D-MDN	5	50	680	15	200
PD30D0505D-MDN	5	50	780	± 5	± 300
PD30D0512D-MDN	5	50	750	±12	± 125
PD30D0515D-MDN	5	50	680	±15	± 100
PD30S1205D-MDN	12	20	320	5	600
PD30S1209D-MDN	12	20	320	9	330
PD30S1212D-MDN	12	20	300	12	250
PD30S1215D-MDN	12	20	295	15	200
PD30D1205D-MDN	12	20	320	± 5	± 300
PD30D1212D-MDN	12	20	300	±12	± 125
PD30D1215D-MDN	12	20	295	±15	± 100
PD30S2405D-MDN	24	10	160	5	600
PD30S2409D-MDN	24	10	160	9	330
PD30S2412D-MDN	24	10	155	12	250
PD30S2415D-MDN	24	10	150	15	200
PD30D2405D-MDN	24	10	160	± 5	± 300
PD30D2412D-MDN	24	10	155	±12	± 125
PD30D2415D-MDN	24	10	150	±15	± 100
PD30S4805D-MDN	48	6	80	5	600
PD30S4809D-MDN	48	6	80	9	330
PD30S4812D-MDN	48	6	75	12	250
PD30S4815D-MDN	48	6	75	15	200
PD30D4805D-MDN	48	6	80	± 5	± 300
PD30D4812D-MDN	48	6	75	±12	± 125
PD30D4815D-MDN	48	6	75	±15	± 100

NOTES: * Specifications are for convection rating unless otherwise stated.
 * Detailed engineering specification of each model is available for inquiry.
 * Specifications subject to change without notice.

MECHANICAL DRAWING

