

# DC/DC CONVERTER

REGULAR  
5/6WATT



PD50(60)...D-M(A/B/C)

## KEY FEATURES

- \* High I/O isolation voltage
- \* MOSFET design
- \* Single and dual outputs
- \* Input filter
- \* 40~70KHz 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 --- +/- 2% Typ..
- \* Line regulation (HL - LL) --- +/-0.5% Max.
- \* Load regulation (FL - 1/2L) --- +/-0.5% Max.
- \* Ripple and noise, 20MHz bandwidth --- 100mVp-p Max.
- \* Temperature coefficient --- +/-0.03%/°C
- \* Short circuit protection --- Momentary

## GENERAL

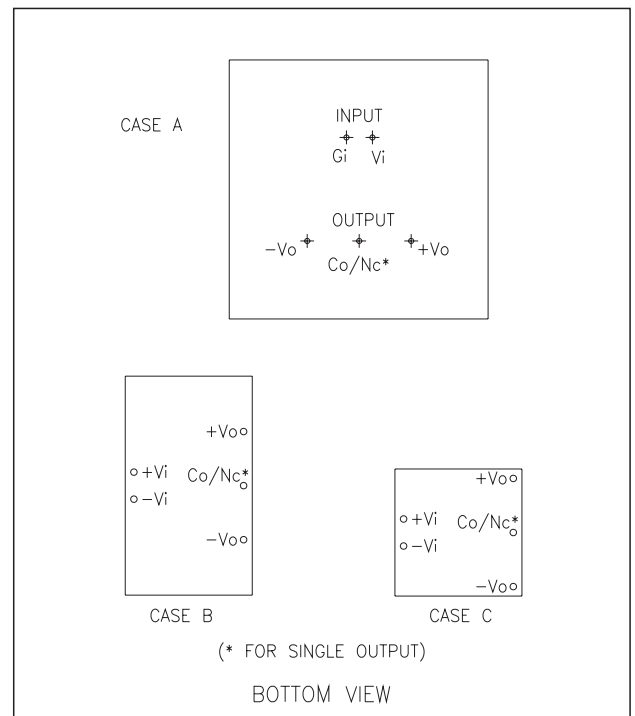
- \* Operating frequency ----- 40~70KHz Min.
- \* I/O isolation voltage ----- 1,000 VDC
- \* I/O resistance ----- 1G ohms Min.
- \* Efficiency ----- 60% Typ.

## ENVIRONMENTAL

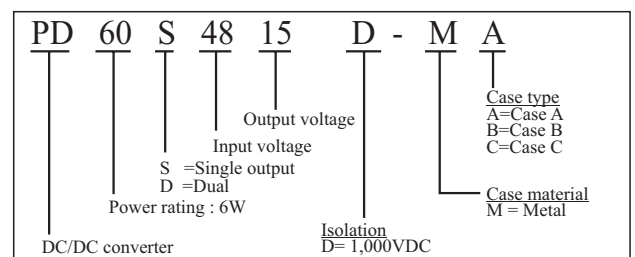
- \* Operating temperature range ----- -25 ~ +70°C
- \* Storage temperature range ----- -40 ~ +100°C
- \* Cooling ----- Free air convection

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		
PD50S0505D-M(A/B/C)	5	300	1700	5	1000
PD60S0512D-M(A/B/C)	5	300	1800	12	470
PD60S0515D-M(A/B/C)	5	300	1700	15	400
PD60D0512D-M(A/B/C)	5	300	1650	±12	± 230
PD60D0515D-M(A/B/C)	5	300	1650	±15	± 190
PD50S1205D-M(A/B/C)	12	50	780	5	1000
PD60S1212D-M(A/B/C)	12	50	700	12	470
PD60S1215D-M(A/B/C)	12	50	700	15	400
PD60D1212D-M(A/B/C)	12	50	700	±12	± 230
PD60D1215D-M(A/B/C)	12	50	700	±15	± 190
PD50S2405D-M(A/B/C)	24	40	350	5	1000
PD60S2412D-M(A/B/C)	24	40	350	12	470
PD60S2415D-M(A/B/C)	24	40	350	15	400
PD60D2412D-M(A/B/C)	24	40	350	±12	± 230
PD60D2415D-M(A/B/C)	24	40	350	±15	± 190
PD50S2805D-M(A/B/C)	28	40	280	5	1000
PD60S2812D-M(A/B/C)	28	40	290	12	470
PD60S2815D-M(A/B/C)	28	40	290	15	400
PD60D2812D-M(A/B/C)	28	40	290	±12	± 230
PD60D2815D-M(A/B/C)	28	40	290	±15	± 190
PD50S4805D-M(A/B/C)	48	30	170	5	1000
PD60S4812D-M(A/B/C)	48	30	170	12	470
PD60S4815D-M(A/B/C)	48	30	170	15	400
PD60D4812D-M(A/B/C)	48	30	170	±12	± 230
PD60D4815D-M(A/B/C)	48	30	170	±15	± 190

**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**

