

5 ~ 15 Watts OpenFrame Type Wide Input DC - DC Converters



FEATURES

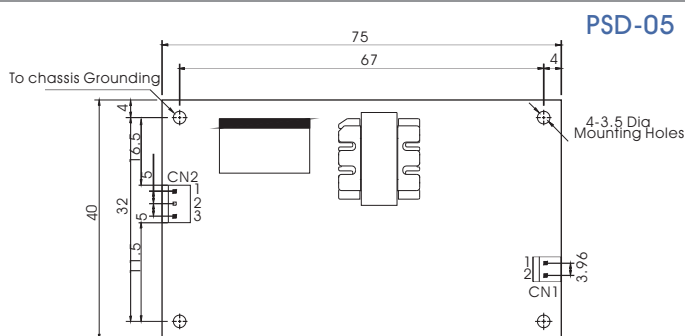
- ♦ 2:1 wide input range
- ♦ Low cost, high reliability
- ♦ 2000VAC I/O isolation
- ♦ 2 years warranty
- ♦ Built-in EMI filter, low ripple noise
- ♦ 100% full load burn-in test
- ♦ Protections: Short circuit / OLP / OVP
(PSD-5) OTP / (PSD-15) Polarity

SPECIFICATIONS

Line and load regulation $\pm 1.0\%$ (max.)
 Overload protection auto-recovery
 (PSD-05) > 105% fold back current limiting
 (PSD-15) 105%~150% hiccup mode
 Over voltage protection 115%~135% rated output voltage
 Withstand voltage..... I/P-O/P: 2kVAC, I/P-FG: 1.5kVAC, 1 minute
 Isolation resistance..... 100M Ω (min.)@500VDC
 Working temperature..... -10~+60°C
 Safety standard Meet LVD
 EMC standard EN55022 class B, EN61000-4-2, 3, 4, 6, 8
 Connection.....
 (PSD-05): 3P, 2P/3.96mm pitch, Molex 5285-03, 5273-02
 (PSD-15): 3P, 2P/3.96mm pitch, JST B3P/B2P-VH
 Dimension..... (PSD-05): L75*W40*H20mm
 (PSD-15): L94*W49*H25mm
 Packing..... (PSD-05): 50g ; 120pcs/6.25Kg/1.00CUFT
 (PSD-15): 81g ; 120pcs/10.72Kg/0.91CUFT

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (A)	R&N (mV)	EFF. %
PSD-05-5	36~72	5	0~1.0	50	75
PSD-05-12	36~72	12	0~0.45	100	78
PSD-05-24	36~72	24	0~0.22	150	78
PSD-15A-5	9.2~18	5	0~3.0	50	74
PSD-15A-12	9.2~18	12	0~1.25	100	67
PSD-15A-24	9.2~18	24	0~0.6	100	72
PSD-15B-5	18~36	5	0~3.0	50	78
PSD-15B-12	18~36	12	0~1.25	100	78
PSD-15B-24	18~36	24	0~0.6	100	78
PSD-15C-5	36~72	5	0~3.0	50	78
PSD-15C-12	36~72	12	0~1.25	100	78
PSD-15C-24	36~72	24	0~0.6	100	79

MECHANICAL DRAWING (Unit: mm)

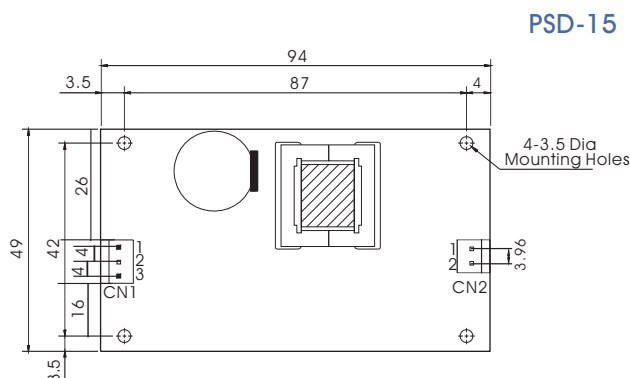


DC Input Connector (CN2) : MOLEX5285-03 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	FG	MOLEX 5058 or equivalent	MOLEX 2478 or equivalent
2	-Vi		
3	+Vi		

DC Output Connector (CN1) : MOLEX5273-02 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	+Vo	MOLEX 5195 or equivalent	MOLEX 5194 or equivalent
2	-Vo		



DC Input Connector (CN1) : JST B3P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	-Vi	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	NC		
3	+Vi		

DC Output Connector (CN2) : JST B2P-VH or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	-Vo	JST VHR or equivalent	JST SVH-21T-P1.1 or equivalent
2	+Vo		