## PSD-05 Series - 5W Single Output DC-DC Converter

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Standards
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Case Details

75 x 40 x 20mm

## Specification

Voltage Range	36 ~ 72VDC
DC Current (typ.)	0.15A/48V
Setup, Rise, Hold Up Time	1.2s, 20ms at full load
<b>Over Load Protection</b>	Above 105% rated output power
	Fold back current limiting, recovers automatically after fault condition is removed
<b>Over Voltage Protection</b>	Hiccup mode, recovers automatically after fault condition is removed
Over Temperature Protection	U1 Tj140 typically (U1)Detect on main control IC
	Hiccup mode, recovers automatically after temperature goes down
Working Temperature	-10°C to +60°C (Refer to output load derating curve)
Working Humidity	20 ~ 90% RH non-condensing
Storage Temp., Humidity	-20°C to +85°C, 10 ~ 95% RH
Temperature Coefficient	±0.05%/°C (0 ~ 50°C)
Vibration	10 ~ 500Hz, 2G 10min./1 cycle, Period for 60min. each along X, Y, Z axes
Withstand Voltage	I/P-O/P: 2KVAC
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC
EMC	Compliance to EN55022 (CISPR22) Class B
	EN61000-4-2,3,4,6,8, ENV50204, EN55024, EN61000-6-1 LIght industry level, criteria A
Dimensions	75 x 40 x 20mm

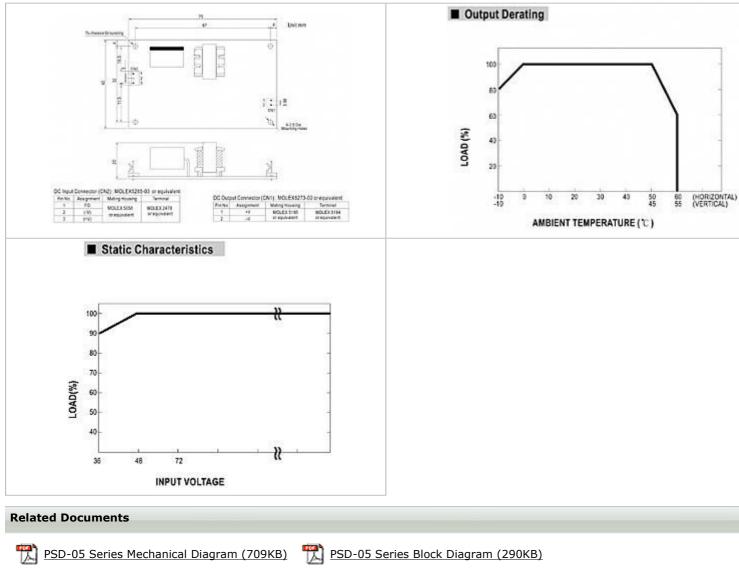




## Items

PSD-05 Series Output Data

Part Code	DC voltage	Rated current	Current range	Rated power	R & N (max)
PSD-05-05	5V	1A	0 ~ 1A	5W	50mV
PSD-05-12	12V	0.45A	0 ~ 0.5A	5.4W	100mV
PSD-05-24	24V	0.22A	0 ~ 0.25A	5.28W	150mV
Part Code	Tol.	Line reg.	Load reg.	Eff. (typ.)	OVP
PSD-05-05	±2.0%	±1.0%	±1.0%	75%	5.75~ 6.75V
PSD-05-12	±2.0%	±1.0%	±1.0%	78%	13.8~16.2V
PSD-05-24	±2.0%	±0.5%	±0.5%	78%	27.6~ 32.4V



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