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
Over Load Protection	Above 105% rated output power
	Fold back current limiting, recovers automatically after fault condition is removed
Over Voltage Protection	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

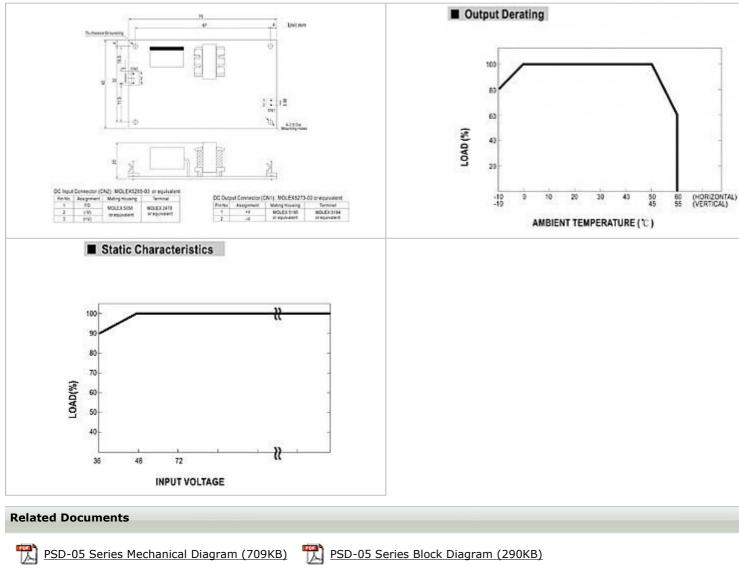




Items

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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