PDN-25 Series

25-Watt Metal Enclosed, Single Output

INPUT SPECIFICATIONS
All specifications are typical at nominal input, full load.

INPUT SPECIFICATIONS	
Input Voltage	90Vac–264Vac, 127~370Vdc
Input Frequency	47Hz– 63Hz
Input Current	<2.5A Max
Protection	Internal Primary Current Fuse Inrush Limiting

OUTPUT SPECIFICATIONS	
Output Voltage	See Chart
Efficiency	70-85%
Protection	Over Load
	Over Voltage
	Short Circuit
Ripple and Noise	50mV - 120mV
Hold-Up Time	>14mS (115Vac input, Full load); >30mS (230Vac input, Full load)
Transient Response	0.5mS for 50% Load Change(typ)
Load Regulation	2.0% max
Leakage Current	Input-output: <2.5mA Input-PG: <0.75mA

GENERAL SPECIFICATIONS	
MTBF(MILHDBK-217F)	More than 200,000Hrs (25°C, Full load)
Withstand Voltage	Primary-Secondary 3,0KVac ≤10mA. Primary-PG: 1.5KVac; ≤10mA. Secondary-PG: 0.5KVDC; ≤10mA
EMI Conduction & Radiation	Compliance to EN55022, EN55024 CLASS B
Harmonic Current	Compliance to EN61000-3-2,-3
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024 heavy industry level
Safety Approvals	UL60950-1 2ND Ed; IEC 60950-1; 2005(2ND Ed); EN60950-1:2006

FEATURES

- NO LOAD POWER CONSUMPTION <0.5W
- WITHSTAND 300VA SURGE INPUT FOR 5 SECS.
- ALL USING 105°C LONG LIFE ELECTROLYTIC CAPACITORS
- SUITABLE FOR CRITICAL APPLICATIONS
- 3 YEARS WARRANTY

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-25°C~+70°C with Derating
Storage Temperature	-40°C~+85°C
Cooling.	Cooling by free air convection
Operating Humidity	20 – 90% RH No condensing
Storage Humidity	10 – 95% RH

MECHANICAL SPECIFICATIONS	
Case Dimension	L79 x W51 x H28.8 mm

Kaga Electronics (USA) Inc. 780 Montague Expressway., Suite #403, San Jose, CA 95131
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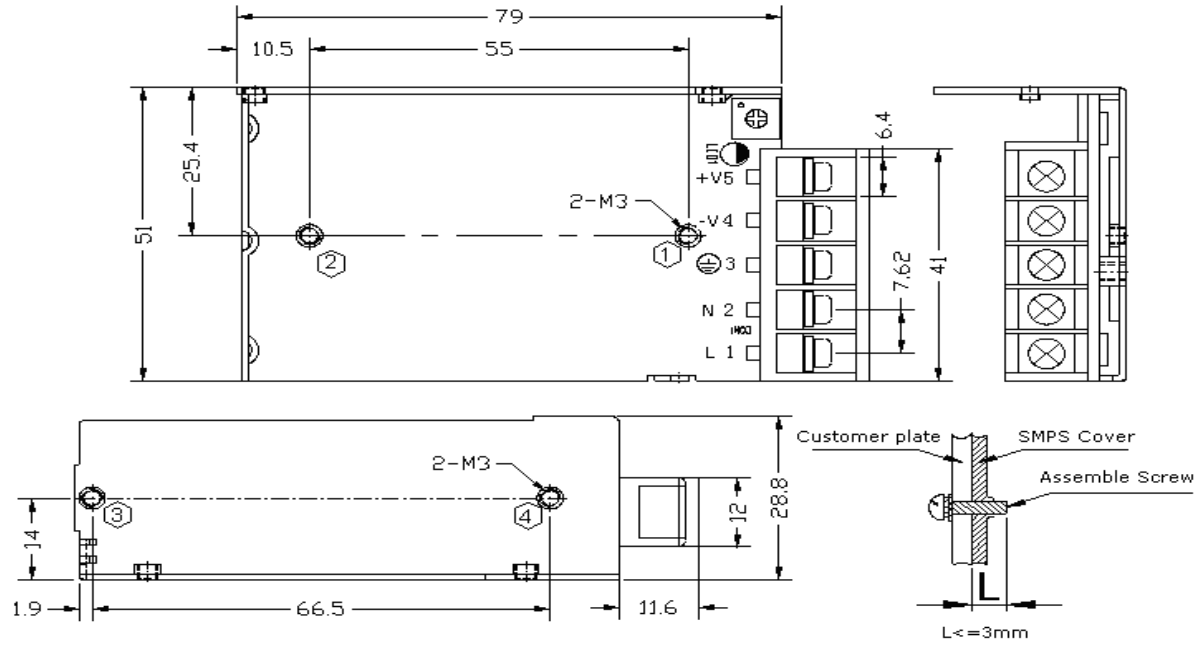
www.volgen.com

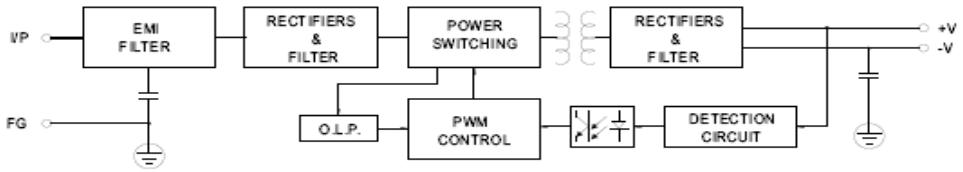
PDN-25 Series

Model Number	Output Voltage	Output Current	Max Output Power
PDN-25-3.3	3.3V	0~5.0A	16.5W
PDN-25-5	5.0V	0~5.0A	25.2W
PDN-25-12	12.0V	0~2.1A	25.2W
PDN-25-15	15.0V	0~1.6A	24.0W
PDN-25 24	24.0V	0~1.1A	26.4W

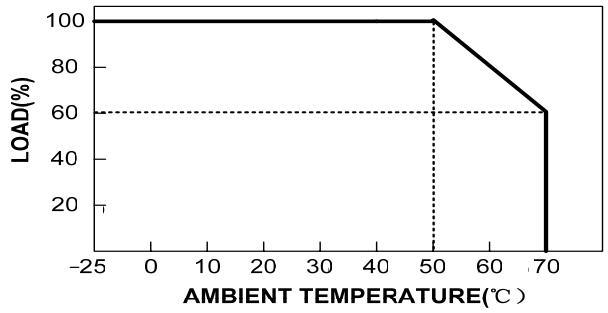
■ Mechanical Specification Unit:mm



■ Block Diagram



■ Derating Curve



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