

### PSD-15B Series - 15W 18~36VDC I/P DC-DC Open Frame PSU

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#### **Features**

Short circuit/Over load/Over voltage/Polarity protection

Cooling by free air convection

100% full load burn-in test

Low cost

High reliability

### **Applications**

General electrical engineering

Automotive

Battery back-up

#### **Standards**





### **Case Details**

94 x 49 x 25mm

## **Specification**

**Voltage Range** 18~36VDC (24VDC)

**DC Current** 0.9A/24VDC

**Setup, Rise, Hold Up** 2.5s, 25ms, 24VDC at full load

Time
Over Load Protection 105% ~ 150% rated output power

Hiccup mode, recovers automatically after fault condition is removed

**Working Temperature** -10°C to +60°C (refer to output load derating curve)

**Working Humidity** 20 ~ 95% RH non-condensing

Storage Temp., -20 °C to +85°C,  $10 \sim 95\%$  RH Humidity

**Temp. coefficient**  $\pm 0.05\%$  /°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:100M Ohms/500VDC

**EMC** Compliance to EN55022 (CISPR22) Class B

EN61000-4-2,3,4,6,8 EN55024, EN61000-6-1 Light industry level, criteria A

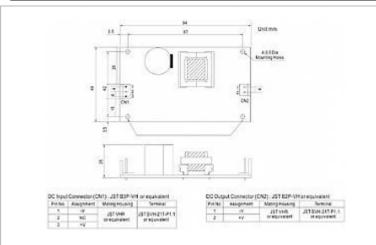
**Dimensions** 94 x 49 x 25mm

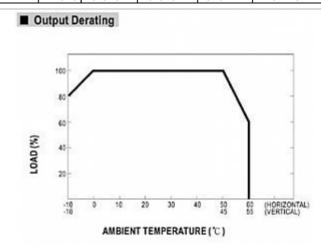


## **Items**

# PSD-15B Series Output Data

Part Code	DC Voltage	Rated Current	Current Range	Rated Power	R&N (max)	Tol.	Line Reg.	Load Reg.	Eff. (typ)	OVP
PSD-15B-05	5V	3A	0 ~ 3A	15W	50mV	±2.0%	±1.0%	±1.0%	78%	5.75 ~ 6.75V
PSD-15B-12	12V	1.25A	0 ~ 1.25A	15W	100mV	±2.0%	±1.0%	±1.0%	78%	13.8~ 16.2V
PSD-15B-24	24V	0.6A	0 ~ 0.6A	14.4W	100mV	±2.0%	±0.5%	±0.5%	78%	27.6 ~ 32.4V





# **Related Documents**



PSD-15 Series Mechanical Diagram (668KB) PSD-15 Series Block Diagram (268KB)



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