

NEW

300 Watt

eABR300 Series



- ◆ Power Module for PCB Mountable
- ◆ Universal Input: 90-264 VAC, 50/60 Hz (47-63 Hz)
- ◆ Full Brick Size with Base Plate
- ◆ Over Current Protection
- ◆ Over Voltage Protection
- ◆ Over Temperature Protection
- ◆ Short Circuit Protection
- ◆ Remote Sense
- ◆ CE, UL Approvals
- ◆ 3-Year Warranty

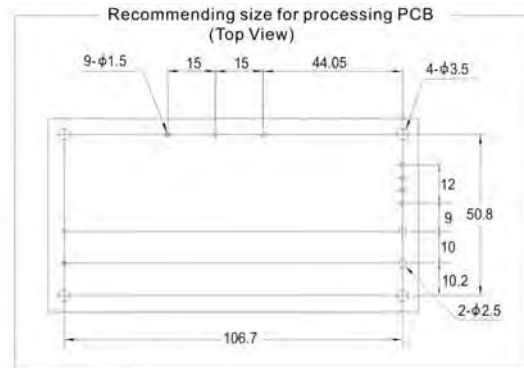
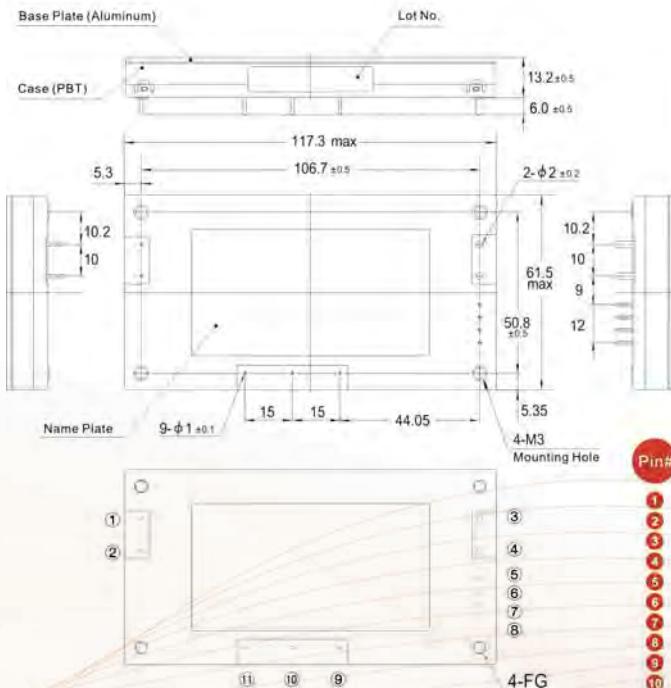
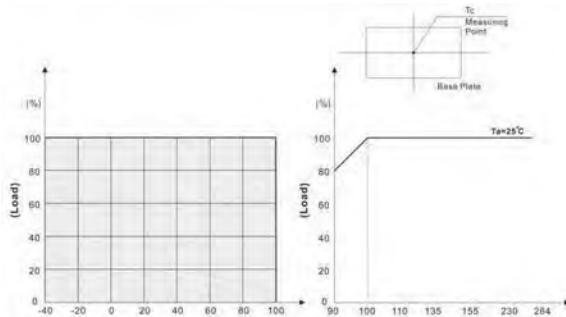
| Input Specifications | |
|----------------------------------|---|
| Voltage Range | 90 ~ 264 VAC |
| Frequency | 47~440 Hz |
| Output Specifications | |
| Output Power | 300 Watt (max.) |
| Voltage Accuracy | ±2% (Full Load and Nominal Vin) |
| Minimum Load | 0% (at Full Load) |
| Line Regulation | ±1% (LL to HL at Full Load) (typ.) |
| Load Regulation | ± 1 % (5% to 100% at Full Load) (typ.) |
| Ripple & Noise (20MHz bandwidth) | 12S: <150mV (Vp-p) (max.) 24S, 28S: <150mV (Vp-p) (max.) 48S: 300mV (Vp-p) (max.) |
| Temperature Coefficient | ±0.05% / °C (0-50°C) |
| Short Circuit Protection | Auto recovery, Hiccup mode |
| General Specifications | |
| Efficiency (see table list) | 90% to 91% (typ.) |
| Isolation Voltage | 3000 VAC (min.) |
| Isolation Resistance | 10 ⁸ Ω (Input to Output) (min.) |
| Operating Temperature | -40 °C to +100°C (with Derating) |
| Storage Temperature | --40°C to +100°C |
| Humidity | 20~95% RH (Non condensing) (max.) |
| Cooling | Free-air Convection |
| Physical Specifications | |
| Dimension (Tolerance ±0.5 mm) | 117.3 x 61.5 x 13.2 mm 4.62 x 2.42 x 0.52 inches |
| Weight | In Progress |

Model

▶eABR300 Single Output

| Model & Ordering No | Input Voltage (V.AC) | Output Voltage (V.DC) | Output Current (m.A) max. | Eff (%) |
|---------------------|----------------------|-----------------------|---------------------------|---------|
| eABR300-12S | 90~264 | 12 | 25 | 90 |
| eABR300-24S | 90~264 | 24 | 12.5 | 90 |
| eABR300-26S | 90~264 | 28 | 11 | 90.5 |
| eABR300-48S | 90~264 | 48 | 6.25 | 91 |

Derating



- ※ Tolerance : ±0.3
- ※ Weight : 190g typ
- ※ Dimensions in mm
- ※ Mounting hole screwing torque : 0.49N · m (5.0kgf · cm) max

- Pin#
- 1 AC IN (L)
 - 2 AC IN (N)
 - 3 -DC OUT
 - 4 +DC OUT
 - 5 -S
 - 6 +S
 - 7 TRIM
 - 8 ENA
 - 9 -BC
 - 10 +BC
 - 11 R