

BPE020B /CENB1020B Universal 20 Watt

- 100-240 Vac Universal Input
- satisfies the requirements of the IEEE802.3AF
- Single Output to 15W
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Impact Resistant Polycarbonate Enclosure
- Modified and Custom Designs Also Available
- Desktop Style



| Model | Output Voltage DC (V) | Maximum Current (A) | Maximum Watts (W) | Ripple & Noise V _{p-p} max. (mV) |
|------------------|--------------------------|------------------------|----------------------|--|
| BPE020-B-48-X-XX | 48 | 0.32 | 15.4 | 480 |

| Input Specification | |
|---------------------|--|
| Input Voltage Range | 100 to 240VAC -10%, +10% |
| Line Frequency | 47 to 63 Hz |
| Input Current | 0.4A max. at 90VAC Input |
| Protection | Internal Primary Current Fuse, Inrush Limiting |

| Output Specification | | |
|---|--|--------|
| Line & Load Regulation (at End of Cable) | Line Regulation | +/- 1% |
| | Load Regulation | +/- 5% |
| Ripple & Noise | 1% V _{p-p} max. | |
| Transient Response | 0.5ms for 50% Load change Typ. | |
| Protection | Over-current Protection (Hiccup) Short Circuit Protection | |

| Environmental Specification | |
|-----------------------------|--------------------------------|
| Operating Temperature | 0°C to 40°C with no derating |
| Relative Humidity | 5% to 95% non-condensing |
| Altitude | 0 - 10,000 feet |
| Cooling | Convectional - Non vented case |

| Input Configuration | | |
|---------------------|------------------|-------------------|
| | | |
| IEC320 C14 (F) | IEC320 C8 (N) | IEC320 C18 (Q) |

Specify the input configuration Code in your Order.

| General Specification | |
|-----------------------------------|--|
| Topology | Switching - Fixed Frequency Flyback |
| Leakage Current | Less than 250uA |
| Dielectric Withstand | 4,242VDC Primary - Secondary 2,150VDC Primary - F.G 500VDC Secondary - F.G |
| Storage Temperature | -30 °C to 85 °C |
| Data Rate | 10/100/1000 BASE operation |
| Hold-up Time | 10ms min. @115VAC |
| EMI | Complies with EMC Directives |
| MTBF | 100,000 Calculated Hours Minimum. |
| Approvals and Safety Standards | UL60950-1, IEC/EN60950-1, K60950-1 EMC : EN55022 / 55024 / 61000 |
| Case and Dimension | 4.43(L) x 1.88(W) x 1.33(H) [in] 112.5(L) x 47.8(W) x 33.7(H) [mm] |
| Case Material | Black 94V0 Polycarbonate |
| Cord and Connectors | RJ45 Cable. Other cable and connectors are available. |

| Part Number Key | | | | |
|---------------------|---------------|-----------|---------------------|-----------------|
| <u>BPE020</u> | <u>B</u> | <u>05</u> | <u>X</u> | <u>XX</u> |
| Product Family Name | Single Output | Volt (DC) | Input Configuration | Customer Number |

