

Bridge rectifier Diodes

| Order code | Manufacturer code | Description |
|------------|-------------------|--|
| 47-3226 | n/a | KBPC3502 35A 200V BRIDGE RECT (MB352) RC |
| 47-3228 | n/a | KBPC3506 35A 600V BRIDGE RECT (MB356) RC |

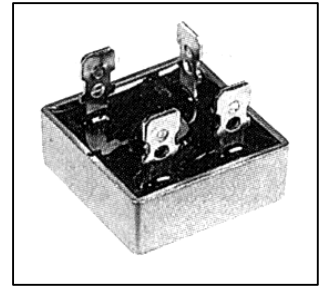
| | |
|--|--------------------------|
| Bridge rectifier Diodes | Page 1 of 3 |
| The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E. | Revision A 20/02/2007 |

Semiconductors – Discrete Devices

DC Components KPBC3502 & KPBC3506

Features:

- Surge overload rating – 400 Amperes peak
- Low forward voltage drop
- Mounting position – Any
- Electrically isolated base – 1800 volts
- Solderable Cooper leads .40" diameter



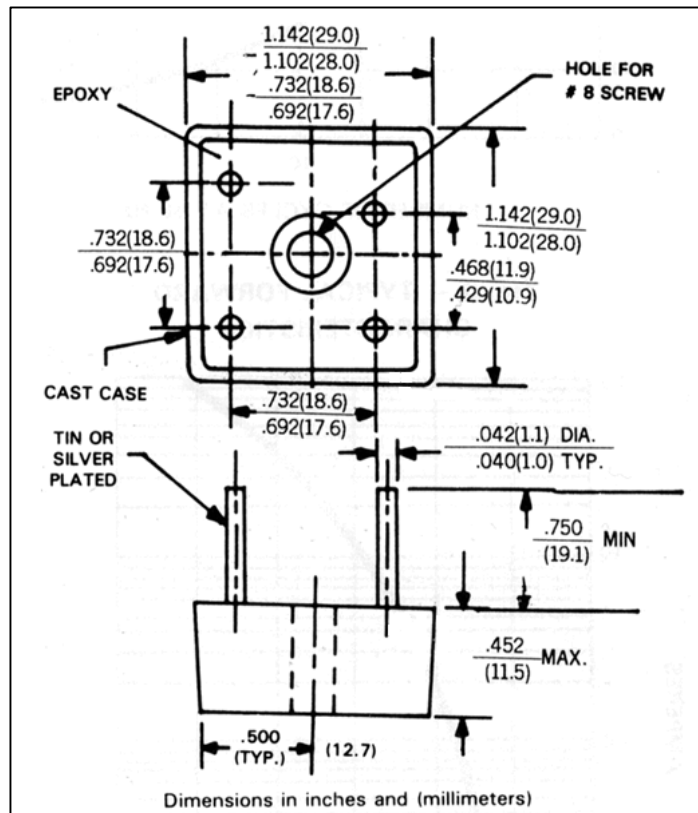
Voltage range: 50 to 1000 Volts

Current: 35 Amperes

| DC part no. | KPBC3502 | KPBC3506 | Units |
|--|---------------|----------|---------------|
| Maximum recurrent peak reverse voltage: | 200 | 600 | V |
| Maximum RMS bridge input voltage: | 140 | 420 | V |
| Maximum average forward rectified output current at $T_C = 55^\circ\text{C}$: | 35 | | A |
| Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load: | 400 | | A |
| Maximum forward voltage drop per element at 17.5A peak: | 1.1 | | V |
| Maximum reverse current at rate DC blocking voltage per element $T_A = 25^\circ\text{C}$: | 10 | | μA |
| Operating temperature range T_C | -55 to +125°C | | °C |
| Storage temperature range T_A | -55 to +150°C | | °C |

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60HZ resistive or inductive load. For capacitive load derate current by 20%.

Dimensions: Inches(mm):



Rating and Characteristics curve:

Fig. 1 – MAXIMUM FORWARD SURGE CURRENT

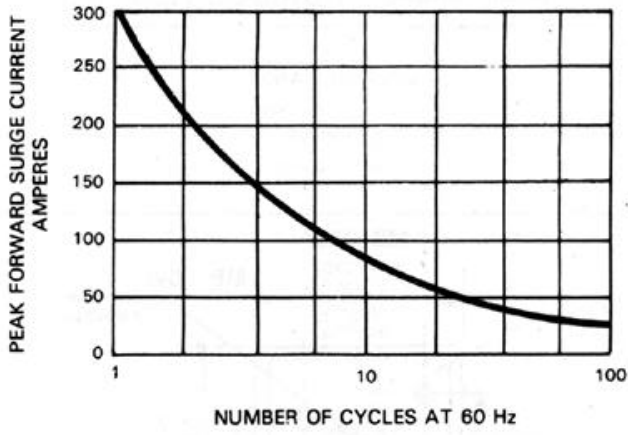


Fig. 2 – DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

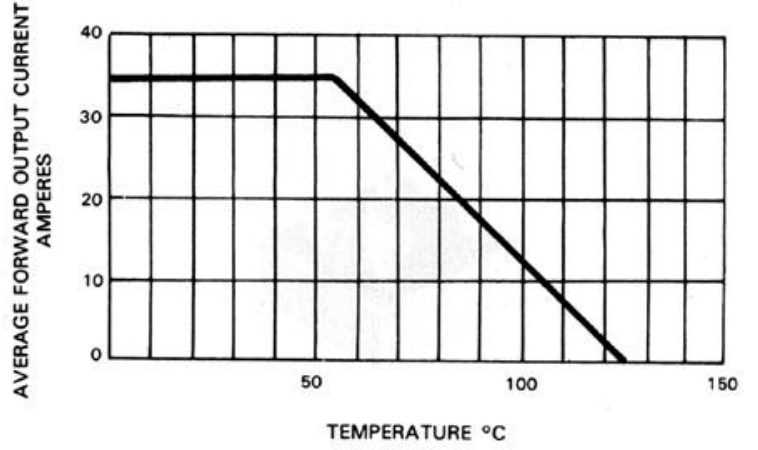


Fig. 3 – TYPICAL FORWARD CHARACTERISTICS

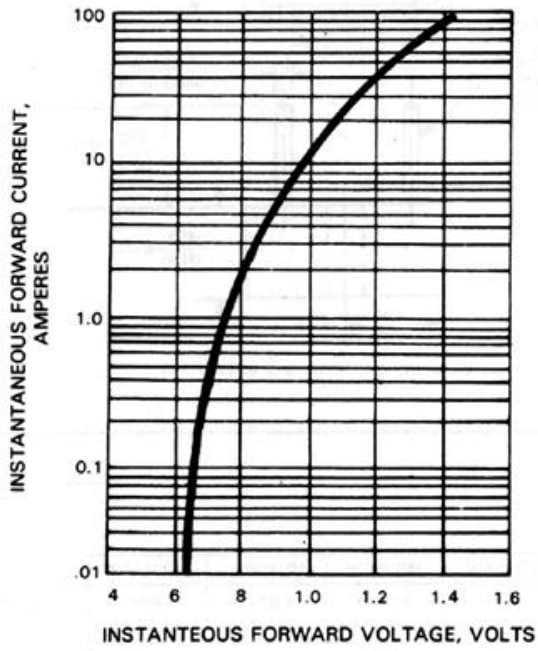


Fig. 4 – TYPICAL REVERSE CHARACTERISTICS

