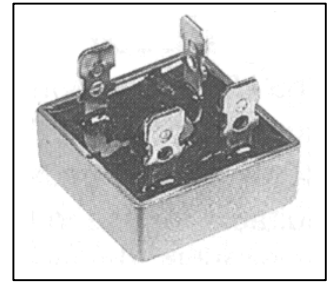


## Bridge rectifier Diodes

Order code	Manufacturer code	Description
47-3222	n/a	KBPC2502 25A 200V BRIDGE RECT (MB252) RC
47-3224	n/a	KBPC2506 25A 600V BRIDGE RECT (MB256) 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 04/07/2003

## Semiconductors – Discrete Devices



### DC components – KBPC2502 & KBPC2506

#### Features:

- Surge overload rating
- Low forward voltage drop
- Mounting position: Any
- Electrically isolated base – 1800 Volts
- Solderable .25" Faston terminals
- Materials used carries U/L recognition

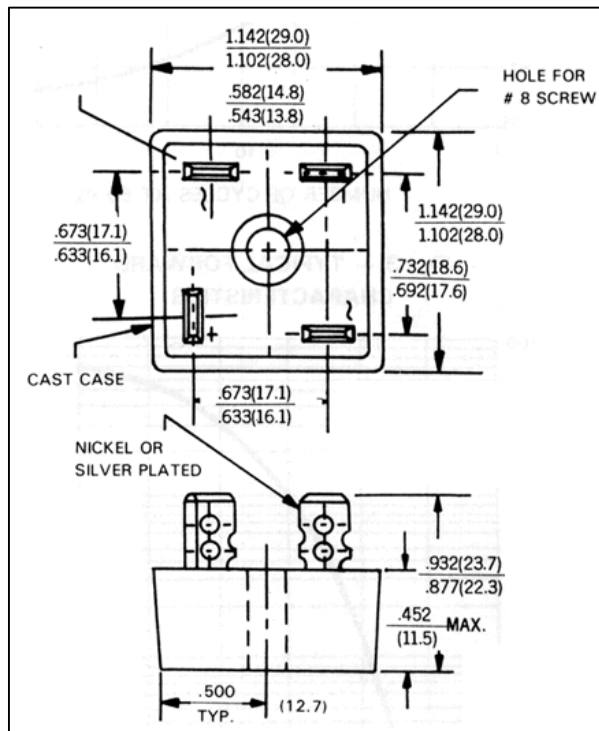
**Voltage range:** 50 to 1000 Volts PRV

**Current:** 25 Amperes

DC part no.	KBPC2502	KBPC2506	Units
Maximum recurrent peak reverse voltage:	200	600	V
Maximum RMS bridge input voltage:	140	420	V
Maximum average forward rectified output current at $T_C = 55^\circ\text{C}$ :	25		A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load:	300		A
Maximum forward voltage drop per element at 12.5A peak:	1.1		V
Maximum reverse current at rate DC blocking voltage per element $T_A = 25^\circ\text{C}$ :	10		$\mu\text{A}$
Operating temperature range $T_C$	-55 to +125 $^\circ\text{C}$		$^\circ\text{C}$
Storage temperature range $T_A$	-55 to +150 $^\circ\text{C}$		$^\circ\text{C}$

Ratings at 25 $^\circ\text{C}$  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 curves:

Fig. 1 — MAXIMUM FORWARD SURGE CURRENT

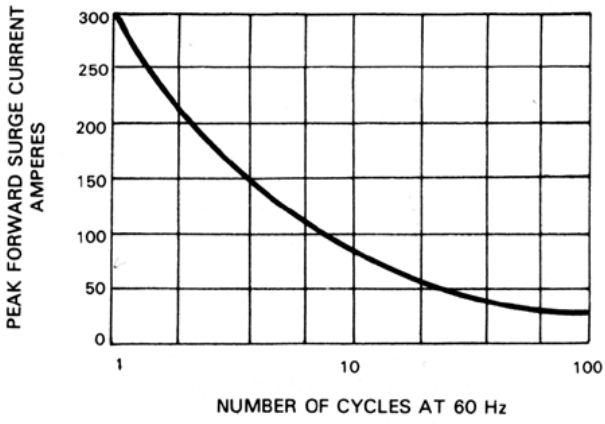


Fig. 2 — DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

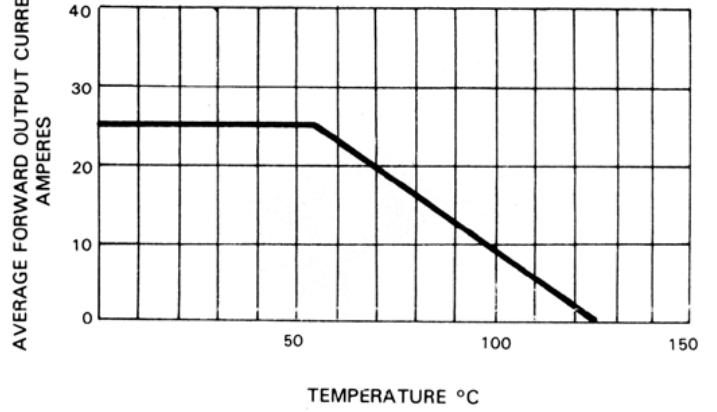


Fig. 3 — TYPICAL FORWARD CHARACTERISTICS

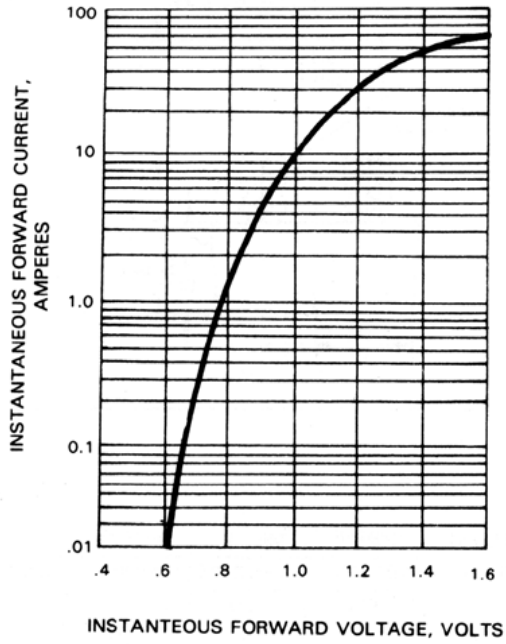


Fig. 4 — TYPICAL REVERSE CHARACTERISTICS

