**KBPC/BR15/25/35/50 SERIES**

**SINGLE PHASE 15/25/35/50 AMPS. SILICON BRIDGE RECTIFIERS**

**FEATURES**

- Surge overload 200-400 Amperes peak
- Low forward voltage drop
- Mounting Position: Any
- Electrically isolated base-1800 Volts
- Solderable 0.25” FASTON terminals

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified. Resistive or inductive load 50Hz. For capacitive load current by 20%

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<th>Type Number</th>
<th>KBPC BR 15</th>
<th>KBPC BR 25</th>
<th>KBPC BR 35</th>
<th>KBPC BR 50</th>
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- Maximum Repetitive Peak Reverse Voltage \( V_{RRM} \)
- Maximum RMS Bridge Input Voltage \( V_{RMS} \)
- Maximum Average Forward Rectified Output Current \( I_{F(AV)} \) at \( T_c = 55°C \)
- Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load \( I_{FSM} \)
- Maximum Forward Voltage Drop per Leg at 7.5/12.5/17.5/25.0A Peak \( V_f \)
- Maximum Reverse Current at Rate DC Blocking Voltage per element \( I_R \) at \( T_A = 25°C \)
- Operating Temperature Range \( T_J \)
- Storage Temperature Range \( T_{STG} \)

**NOTES:** 1. Also available on KBPC 10W/15W/25W/35W/50W series.
RATING AND CHARACTERISTIC CURVES
KBPC/BR 15/25/35/50 SERIES

FIG. 1 - MAXIMUM FORWARD SURGE CURRENT

FIG. 2 - DERATING CURVE OUTPUT RECTIFIED CURRENT

FIG. 3 - TYPICAL FORWARD CHARACTERISTICS

FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

Note: Specification is subject to change without further notice. For more details and updates, please visit our website.