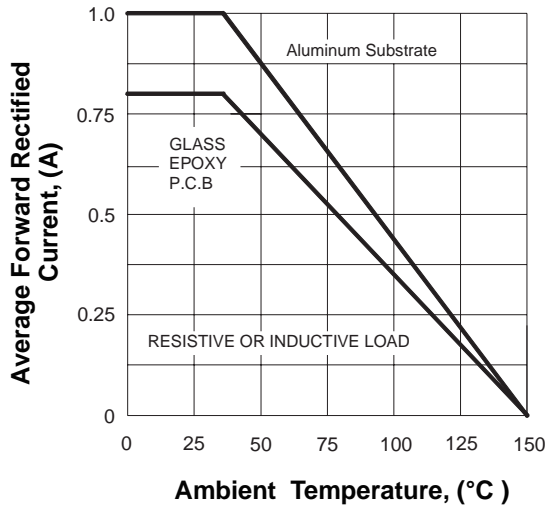


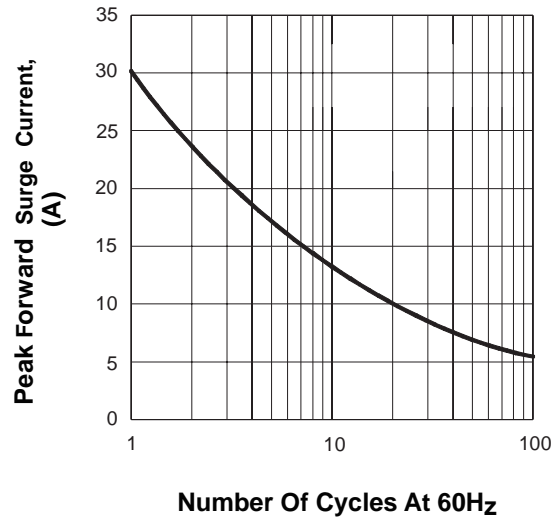
| SINGLE PHASE GLASS PASSIVATED BRIDGE RECTIFIERS  |                    | Voltage Range - 200 to 1000 Volts<br>Current -0.8/1.0 Ampere   |      |      |      |       |          |
|--|--------------------|--|------|------|------|-------|----------|
| <p style="text-align: center;"><u>ABS</u></p> <p style="text-align: center;">Dimensions in inches and (millimeters)</p>  |                    | <h3>Features</h3> <ul style="list-style-type: none"> <li>◆ Ideal for printed circuit board</li> <li>◆ Reliable low cost construction utilizing molded plastic technique</li> <li>◆ High temperature soldering guaranteed: 260°C/10 seconds at 5 lbs., (2.3kg) tension</li> <li>◆ Small size, simple installation</li> <li>◆ High surge current capability</li> <li>◆ Glass passivated chip junction</li> <li>◆ Green compound(halogen&amp;Sb<sub>2</sub>O<sub>3</sub> free)</li> </ul> <h3>Mechanical Data</h3> <p><b>Case:</b> Molded plastic body<br/> <b>Terminals:</b> Plated leads solderable per MIL-STD-750, Method 2026<br/> <b>Polarity:</b> Polarity symbols marked on case<br/> <b>Mounting Position:</b> Any</p> |      |      |      |       |          |
| MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS   |                    |  |      |      |      |       |          |
| Ratings at 25°C ambient temperature unless otherwise specified.<br>Single phase half-wave 60Hz, resistive or inductive load, for capacitive load derate current by 20%.  |                    |  |      |      |      |       |          |
|  | SYMBOLS            | ABS2   | ABS4 | ABS6 | ABS8 | ABS10 | UNITS    |
| Maximum repetitive peak reverse voltage  | V <sub>RRM</sub>   | 200  | 400  | 600  | 800  | 1000  | V        |
| Maximum RMS voltage  | V <sub>RMS</sub>   | 140  | 280  | 420  | 560  | 700   | V        |
| Maximum DC blocking voltage  | V <sub>DC</sub>    | 200  | 400  | 600  | 800  | 1000  | V        |
| Maximum average forward rectified current<br>On glass-epoxy P.C.B.(Note1)<br>On aluminum substrate(Note2)  | I <sub>F(AV)</sub> | 0.8<br>1.0   |      |      |      |       | A        |
| Peak forward surge current,<br>8.3ms single half sine-wave superimposed on<br>rated load   | I <sub>FSM</sub>   | 30   |      |      |      |       | A        |
| Maximum instantaneous forward voltage drop<br>per leg at 0.4A  | V <sub>F</sub>     | 0.95   |      |      |      |       | V        |
| Maximum DC reverse current<br>at rated DC blocking voltage   | I <sub>R</sub>     | 5<br>100   |      |      |      |       | uA<br>uA |
| Typical thermal resistance(NOTE 3)   | R <sub>θJL</sub>   | 25   |      |      |      |       | °C/W     |
|  | R <sub>θJA</sub>   | 75   |      |      |      |       |          |
| Operating temperature range  | T <sub>J</sub>     | -55 to +150  |      |      |      |       | °C       |
| storage temperature range  | T <sub>STG</sub>   | -55 to +150  |      |      |      |       | °C       |
| NOTES:1.On glass epoxy P.C.B. mounted on 0.05x0.05"(1.3x1.3mm) pads<br>2.On aluminum substrate P.C.B. with an area of 0.8"x0.8"(20x20mm) mounted on 0.05X0.05"(1.3X1.3mm) solder pad<br>3.Thermal resistance form junction to ambient and junction to lead mounted on P.C.B. with 0.2X0.2"(5X5mm) copper pads. |                    |  |      |      |      |       |          |

**RATINGS AND CHARACTERISTIC CURVES ABS2 THRU ABS10**

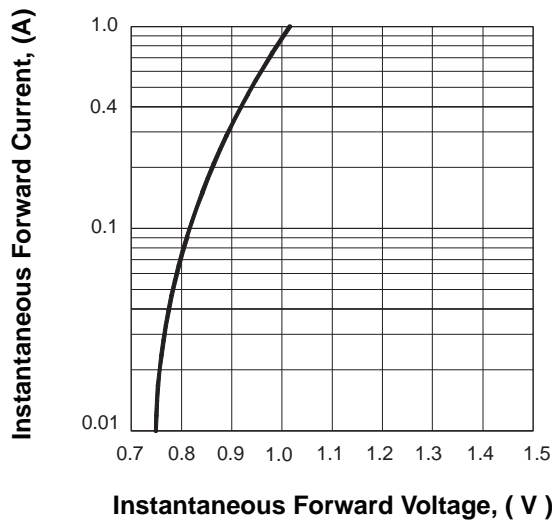
**FIG.1 FORWARD DERATING CURVE**



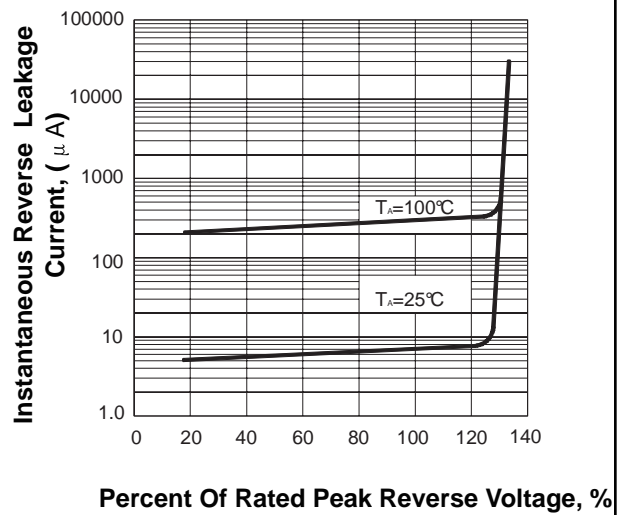
**FIG.2 PEAK FORWARD SURGE CURRENT**



**FIG.3 TYPICAL FORWARD CHARACTERISTICS**



**FIG.4 TYPICAL REVERSE CHARACTERISTICS**



单击下面可查看定价，库存，交付和生命周期等信息

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