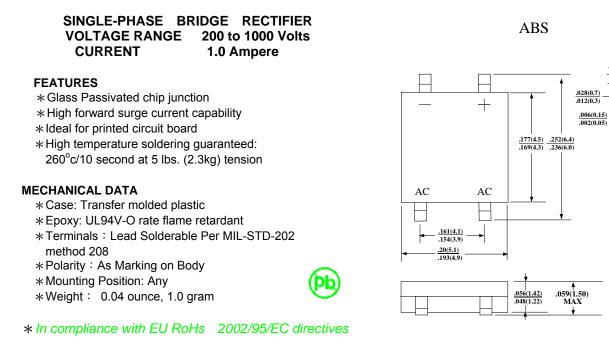


ABS2 THRU ABS10

40

.010(0.25) .006(0.15)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

* Rating at 25 $^\circ\!\!\mathbb{C}$ ambient temperature unless otherwise specified

* Single phase, half wave. 60Hz, resistive or inductive load.

| Characteristic | Symbol | ABS2 | ABS4 | ABS6 | ABS8 | ABS10 | Unit |
|---|--|--------------|------|------|------|-------|------------------|
| Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage | V _{RRM} V _{RWM} V _R | 200 | 400 | 600 | 800 | 1000 | V |
| RMS Reverse Voltage | V _{R(RMS)} | 140 | 280 | 420 | 560 | 700 | v |
| Average Rectifier Forward Current (Note 1) $@ T_A=50^{\circ}C$ | I _{O(AV)} | 1.0 | | | | | А |
| Non-Repetitive Peak Surge Current 8.3 ms Single half sine-wave superimposed on rated load (JEDEC Method) | I _{FSM} | 30 | | | | | A |
| Forward Voltage (per element) ($I_F = 1.0 \text{ Amp}$) | V _{FM} | 0.95 | | | | | V |
| Peak Reverse Current (Rated DC Voltage, T _C = 25°C) (Rated DC Voltage, T _C = 125°C) | I _R | 0.5 20.0 | | | | | mA |
| Rating for Fusing(t<8.3 ms) | l ² t | 10 | | | | | A ² s |
| Typical Junction Capacitance per element (Note2) | CJ | 25 | | | | | pF |
| Typical Thermal Resistance (note 3) | $R_{	extsf{	heta}JL}$ $R_{	extsf{	heta}JA}$ | 28.0 88.0 | | | | | °C/W |
| Operating and Storage Temperature Range | T _J , T _{stg} | -65 to +150 | | | | | °C |

Note: 1 Lead maintained at ambient temperature at a distance of 9.5 mm from the case.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

3. Mounted on P.C. Board with 5.0mm2 (.013mm thick) copper pad areas.

ABS2 thru ABS10

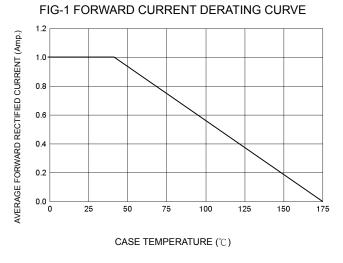
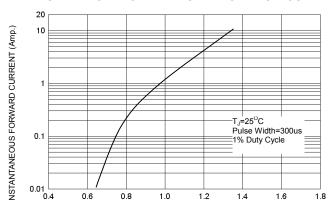
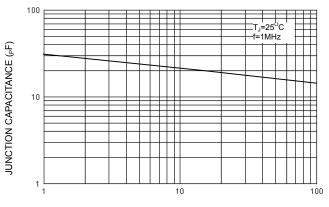


FIG-2 TYPICAL FORWARD CHARACTERISITICS



FORWARD VOLTAGE (Volts)

FIG-4 TYPICAL JUNCTION CAPACITANCE



NUMBER OF CYCLES AT 60 Hz

REVERSE VOLTAGE (Volts)

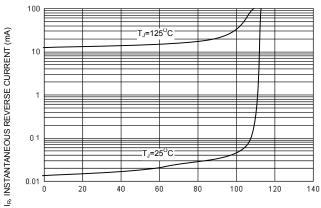


FIG-5 TYPICAL REVERSE CHARACTERISTICS

PERCENT OF RATED REVERSE VOLTAGE (%)