

Glass passivated die construction
 Low forward voltage drop
 High current capability
 High surge current capability
 Designed for surface mount application
 Plastic material-UL flammability 94V-

Mechanical Data

Case: DB-S, molded plastic
 Terminals: plated leads solderable per
 MIL-STD-202, Method 208
 Polarity: as marked on case
 Mounting position: Any
 Marking: type number
 Lead Free: For RoHS / Lead Free

TYPE NUMBER	SYMBOL	DB101S	DB102S	DB103S	DB104S	DB105S	DB106S	DB107S	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}								
Working Peak Reverse Voltage	V_{RWM}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V_{DC}								
RMS Reverse Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)@T		1.0							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}								A
Forward Voltage per element @ $I_F=1.0A$	V_{FM}	1.0							V
Peak Reverse Current @ $T_A=25^\circ$ At Rated DC Blocking Voltage @ $T_A=125^\circ$	I_R	5.0							μA
Typical Junction Capacitance per leg (Note 2)	C_J	25							pF
Typical Thermal Resistance per leg	R								

Fig. 1 Output Current Derating Curve

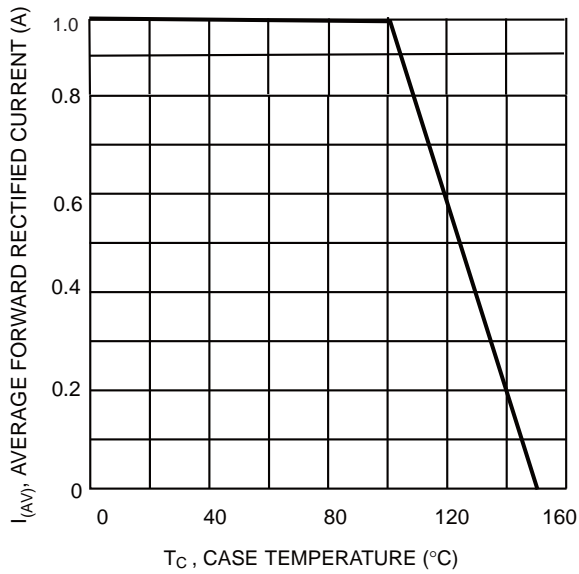


Fig. 2 Typical Forward Characteristics (per leg)

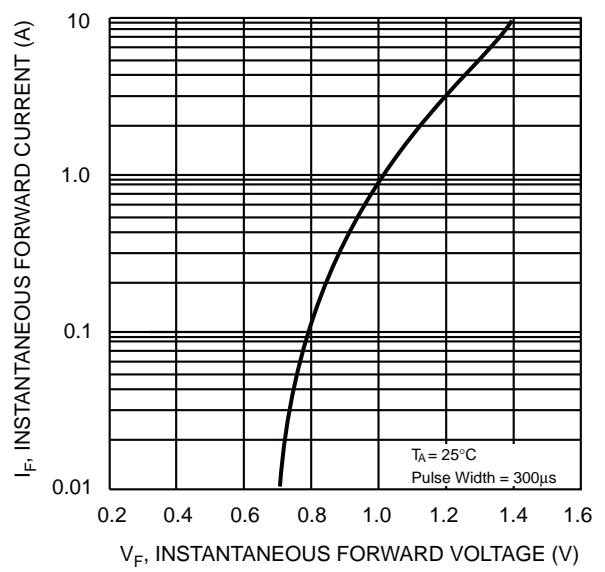


Fig. 3 Maximum Peak Forward Surge Current (per leg)

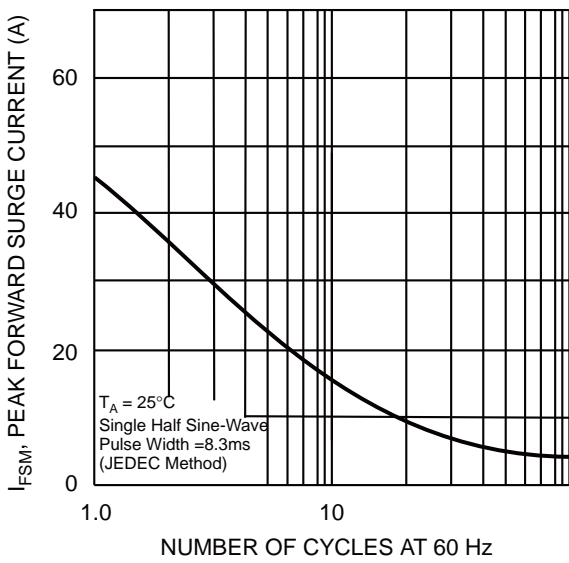


Fig. 4 Typical Reverse Characteristics (per element)

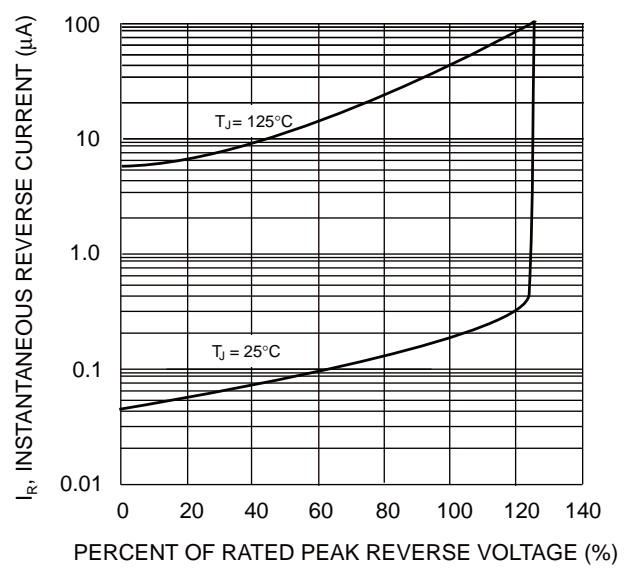


Fig. 5 Mounting Pad Layout

