

SURFACE MOUNT
GPP TRANSIENT VOLTAGE SUPPRESSOR
600 WATT PEAK POWER 1.0 WATT STEADY STATE

FEATURES

- * Plastic package has underwriters laboratory
- * Glass passivated chip construction
- * 600 watt surge capability at 1ms
- * Excellent clamping capability
- * Low zener impedance
- * Fast response time

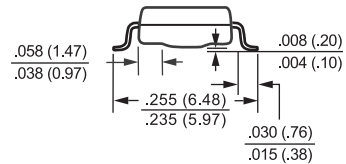
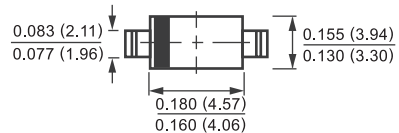
Ratings at 25 °C ambient temperature unless otherwise specified.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.



DO-214AA
GULL WING



Dimensions in inches and (millimeters)

DEVICES FOR BIPOLAR APPLICATIONS

TFMBG150A

Electrical characteristics

MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNITS
Peak Power Dissipation with a 10/1000uS (Note 1,2, Fig.1)	PPPM	Minimum 600	Watts
Peak Pulse Current with a 10/1000uS waveform (Note 1, Fig.3)	IPPM	SEE TABLE 1	Amps
Peak Forward Surge Current 8.3mS single half sine-wave superimposed on rated load (JEDEC method) (Note 2,3) unidirectional only	IFSM	100	Amps
Maximum Instantaneous Forward Voltage at 50A for unidirectional only	VF	5.0	Volts
Operating and Storage Temperature Range	TJ, Tstg	-55 to + 150	°C

NOTES : 1. Non-repetitive current pulse, per Fig.3 and derated above TA = 25°C per Fig.2.

2. Mounted on 0.2 X 0.2" (5.0 X 5.0mm) copper pad to each terminal.

3. Measured on 8.3mS single half sine-wave duty cycle = 4 pules per minute maximum.

RATING AND CHARACTERISTIC CURVES (TFMBG150A)

