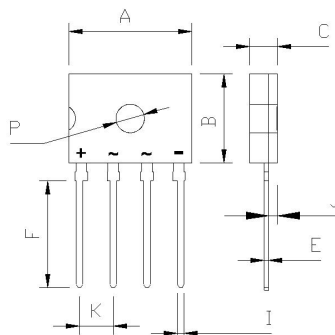


FEATURES

- Rating to 1000V PRV
- Surge overload rating to 60 Amperes peak
- Reliable low cost construction utilizing molded plastic technique results in inexpensive product
- Lead solderable per MIL-STD-202 method 208



D3K		
Dim	Min	Max
A	13.65	14.15
B	9.80	10.20
C	2.95	3.25
E	0.35	0.65
F	11.70	12.30
I	0.65	0.95
J	0.90	1.20
K	3.60	4.00
P	Ø3.2Typical	
All Dimensions in mm		

Maximum Ratings (@TA = 25°C unless otherwise specified)

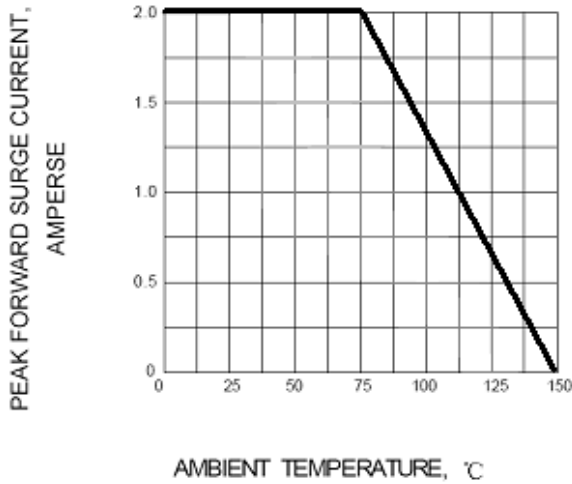
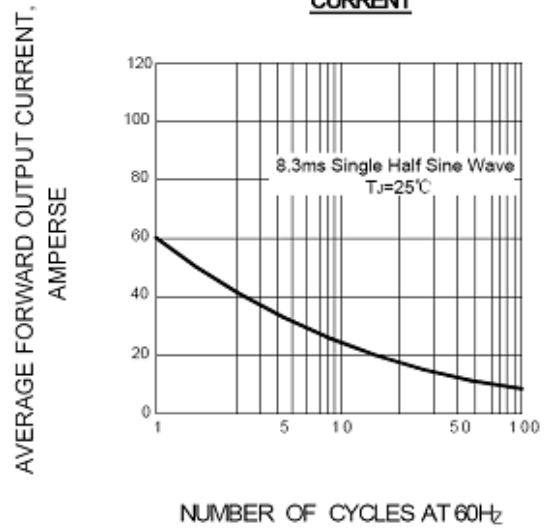
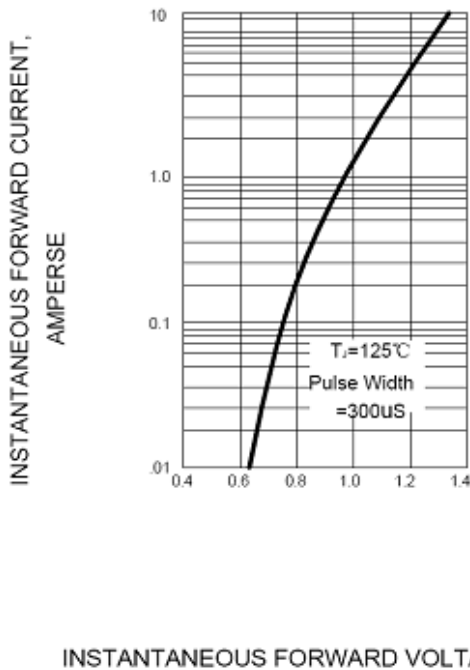
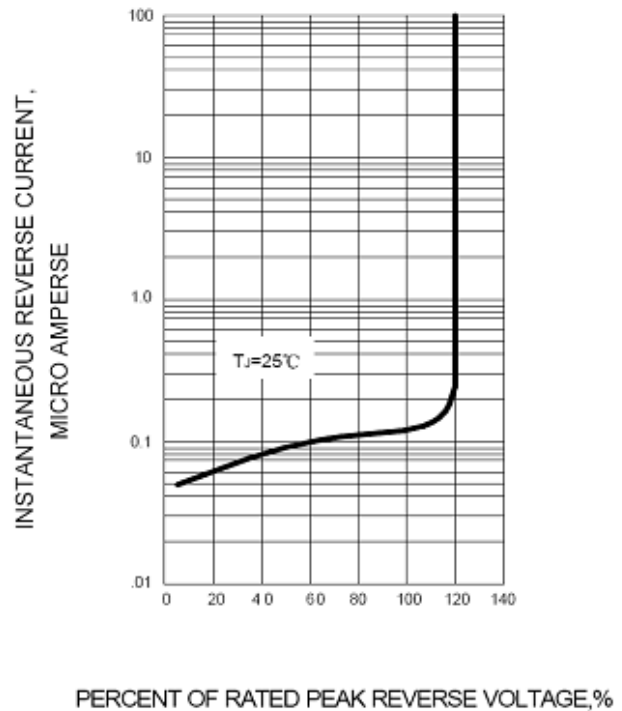
Characteristic	Symbol	LGE 2005	LGE 201	LGE 202	LGE 204	LGE 206	LGE 208	LGE 210	UNITS
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
50Hz sine wave, R-load Without heat sink Ta=25°C	$I_{F(AV)}$	2.0							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	60							A

Thermal Characteristics

Characteristic	Symbol	Value	UNITS
Operating junction temperature range	T_J	- 55 ---- + 150	°C
Storage temperature range	T_{STG}	- 55 ---- + 150	°C

Electrical Characteristics (@TA = 25°C unless otherwise specified)

Characteristic	Symbol	Value	UNITS
Maximum instantaneous forward voltage @1.0A	V_F	1.05	V
Maximum reverse current @TA=25 °C at rated DC blocking voltage @TA=100°C	I_R	5.0 500	μ A

FIG.1 – TYPICAL FORWARD CURRENT DERATING CURVE

FIG.2 – MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

FIG.3 – TYPICAL FORWARD CHARACTERISTIC

FIG.4 – TYPICAL REVERSE CHARACTERISTIC


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