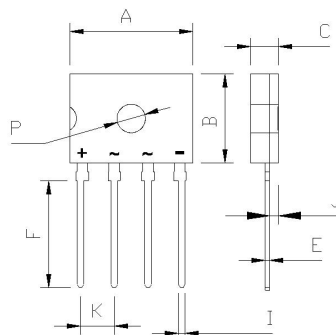


### FEATURES

- Rating to 1000V PRV
- Surge overload rating to 170 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 6005	LGE 601	LGE 602	LGE 604	LGE 606	LGE 608	LGE 610	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	$I_{F(AV)}$	6.0							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	$I_{FSM}$	170							A
I <sup>2</sup> t Rating for fusing @Tj=25°C	I <sup>2</sup> t	120							A <sup>2</sup> S

### Thermal Characteristics

Characteristic	Symbol	Value	UNITS
Typical Thermal Resistance (Note)	$R_{\theta JA}$	15.9	°C/W
	$R_{\theta JC}$	11.2	
	$R_{\theta JL}$	11.1	
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 @3.0A	$V_F$	1.0	V
Maximum reverse current at rated DC blocking voltage	$I_R$	@TA=25°C	5.0
		@TA=100°C	500
			µ A

**RATINGS AND CHARACTERISTICS CURVES**

( $T_A = 25^\circ\text{C}$  unless otherwise noted)

FIG1:Io-Ta Curve

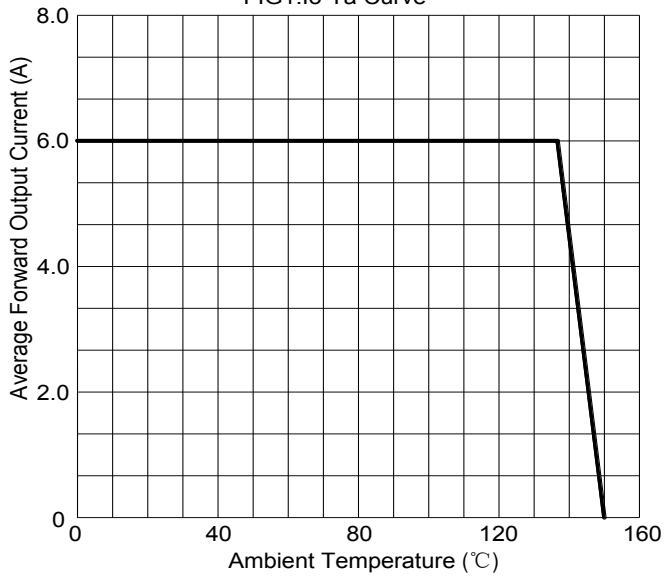


FIG2:Surge Forward Current Capability

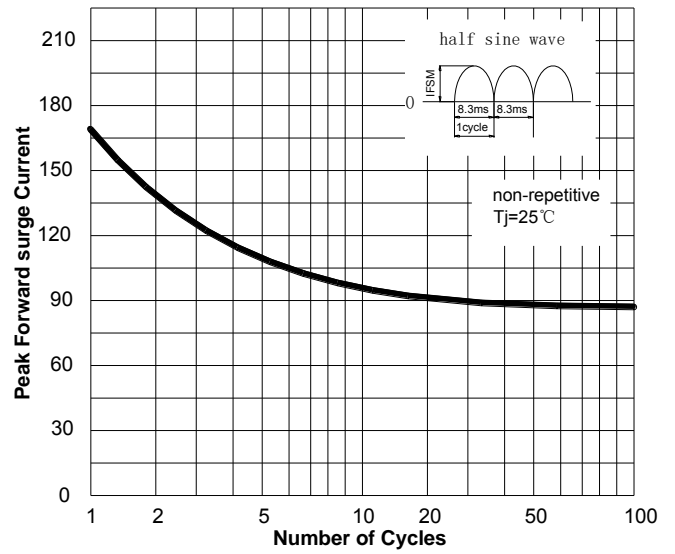


FIG3: Forward Voltage

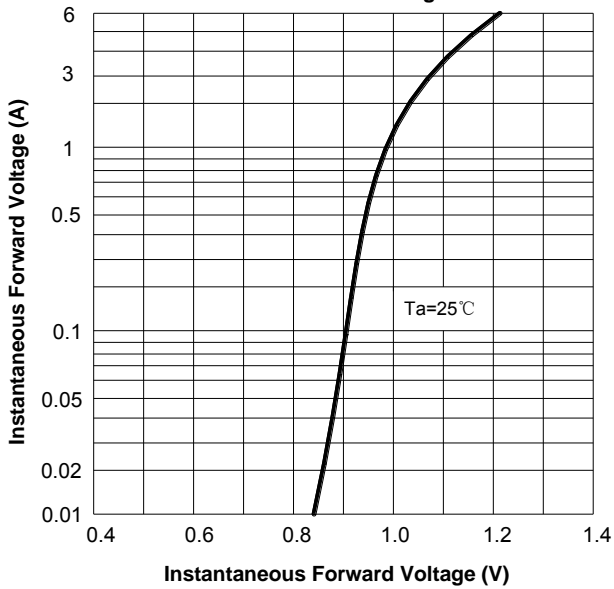
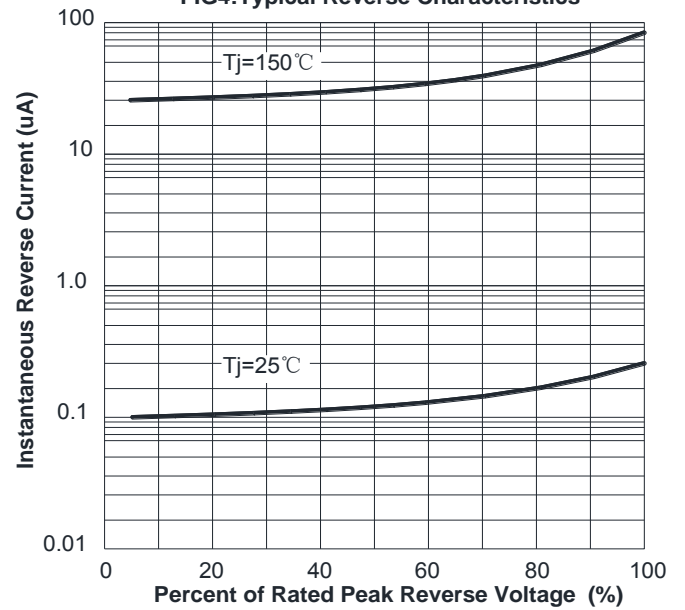


FIG4:Typical Reverse Characteristics



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Bridge Rectifiers](#) category:*

*Click to view products by [LGE](#) manufacturer:*

Other Similar products are found below :

[MB2510](#) [MB252](#) [MB356G](#) [MB358G](#) [90MT160KPBF](#) [GBJ1504-BP](#) [GBU10B-BP](#) [GBU15K-BP](#) [GBU4A-BP](#) [GBU4D-BP](#) [GBU6B-E3/45](#)  
[DB101-BP](#) [DF01](#) [DF10SA-E345](#) [BU1508-E3/45](#) [BU1510-E3/45](#) [KBPC50-10S](#) [RS405GL-BP](#) [GBJ1502-BP](#) [GBU6M](#) [GSIB1520-E3/45](#)  
[2KBB10](#) [36MB140A](#) [TB102M](#) [MB1510](#) [MB86](#) [TL401G](#) [MDA920A2](#) [TU602](#) [TU810](#) [MP5010W-BP](#) [MP501W-BP](#) [MP502-BP](#)  
[BR84DTP204](#) [BU1508-E3/51](#) [KBPC25-02](#) [VS-110MT120KPBF](#) [VS-2KBB60](#) [VS-60MT120KPBF](#) [VS-60MT80KPBF](#) [DB105-BP](#) [DF1510S](#)  
[VS-40MT160PAPBF](#) [VISKBU8K-E4/51](#) [36MT100](#) [GBU4G-BP](#) [GBU6B-E3/51](#) [DF15005S-E3/77](#) [GSIB15A80-E3/45](#) [DB104-BP](#)