RS201L-RS207L

Silicon Bridge Rectifiers
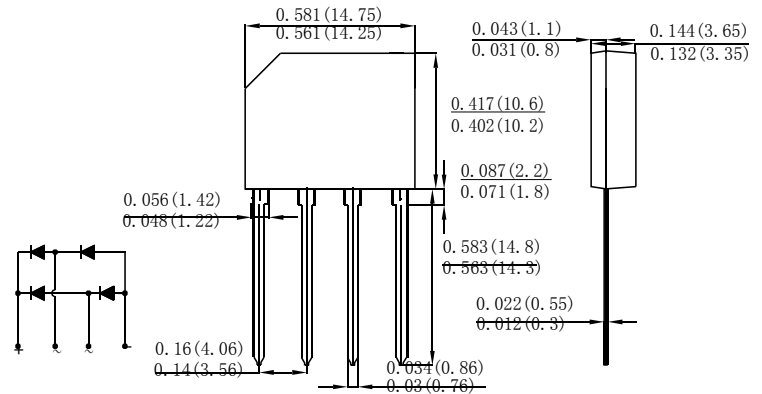
RoHS COMPLIANT

VOLTAGE RANGE: 50 --- 1000 V
CURRENT: 2.0 A

KBP

Features

◇ Rating to 1000V PRV

◇ Surge overload rating to 50 Amperes peak

◇ Ideal for printed circuit board

◇ Reliable low cost construction utilizing molded

plastic technique results in inexpensive product

◇ Lead solderable per MIL-STD-202 method 208

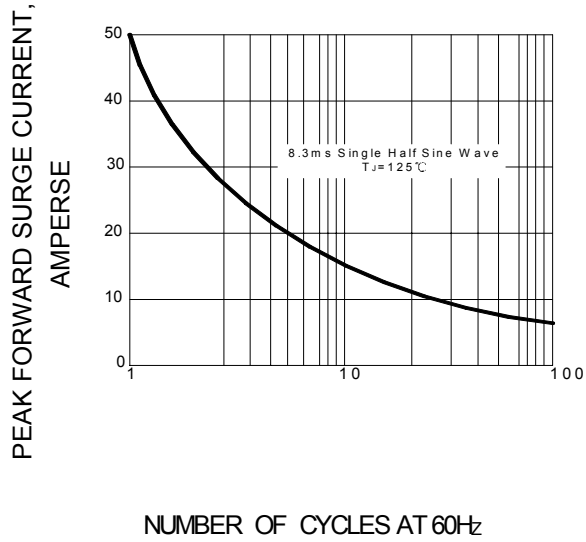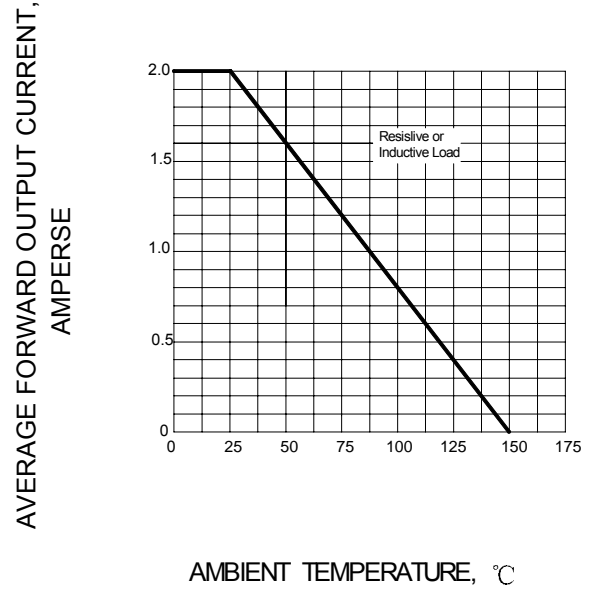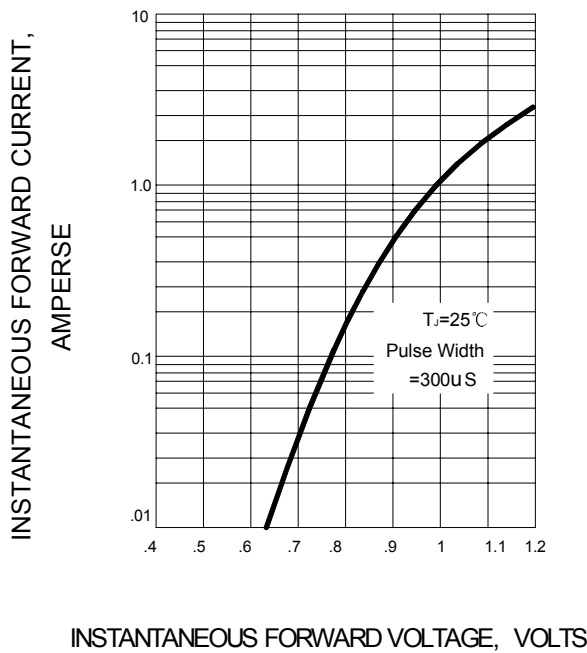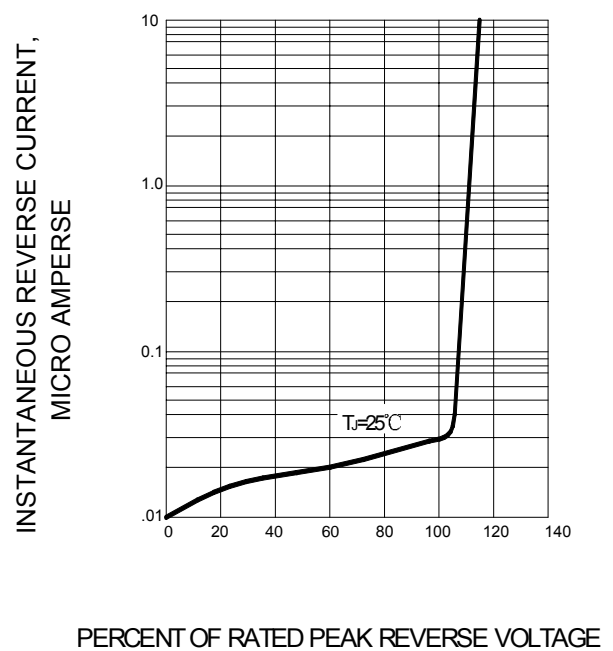Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.

Single phase,half wave,60 Hz,resistive or inductive load. For capacitive load,derate by 20%.

		RS 201L	RS 202L	RS 203L	RS 204L	RS 205L	RS 206L	RS 207L	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
Maximum average forward Output current @T$_A$=25℃	$I_{F(AV)}$	2.0							A
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	I_{FSM}	50.0							A
Maximum instantaneous forward voltage at 1.0 A	V_F	1.1							V
Maximum reverse current @T$_A$=25℃ at rated DC blocking voltage @T$_A$=100℃	I_R	5.0 0.5							μA mA
Operating junction temperature range	T_J	- 55 ---- + 150							℃
Storage temperature range	T_{STG}	- 55 ---- + 150							℃

http://www.lgesemi.com

mail:lge@lgesemi.com

Ratings AND Charactieristic Curves

FIG.1 – PEAK FORWARD SURGE CURRENT

PEAK FORWARD SURGE CURRENT, AMPERSE

8.3ms Single Half Sine Wave
T_J=125℃

NUMBER OF CYCLES AT 60Hz

FIG.2 – FORWARD DERATING CURVE

AVERAGE FORWARD OUTPUT CURRENT, AMPERSE

Resislive or
Inductive Load

AMBIENT TEMPERATURE, ℃

FIG.3 – TYPICAL FORWARD CHARACTERISTIC

INSTANTANEOUS FORWARD CURRENT, AMPERSE

T_J=25℃

Pulse Width
=300uS

INSTANTANEOUS FORWARD VOLTAGE, VOLTS

FIG.4 – TYPICAL REVERSE CHARACTERISTIC

INSTANTANEOUS REVERSE CURRENT, MICRO AMPERSE

T_J=25℃

PERCENT OF RATED PEAK REVERSE VOLTAGE

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bridge Rectifiers *category:*

Click to view products by Luguang *manufacturer:*

Other Similar products are found below :

MB2510 MB252 MB356G MB358G MP358-BP GBJ1504-BP GBU15J-BP GBU15K-BP GBU4A-BP GBU4D-BP GBU6B-E3/45 GSIB680-E3/45 DB101-BP DF01 DF10SA-E345 BU1508-E3/45 KBPC50-10S RS405GL-BP G5SBA60-E3/51 GBJ1502-BP GBU10J-BP GBU4J-BP GBU6M GBU8D-BP GBU8J-BP GSIB1520-E3/45 2KBB10 36MB140A TB102M MB1510 MB258 MB6M-G MB86 TL401G MDA920A2 TU602 TU810 BR1005-BP BR101-BP BR84DTP204 BU2008-E3/51 36MB100A 36MT160 36MT60 KBPC25-02 VS-2KBB60 DBB08G-TM-E DBD250G DBF20G DF06SA-E345