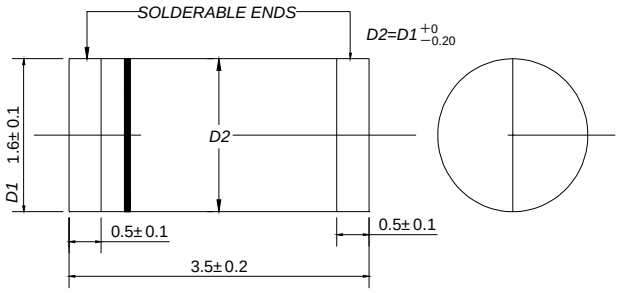
RGL341A-RGL341M

Surface Mount Rectifiers

VOLTAGE RANGE: 50 --- 1000 V

CURRENT: 1.0 A

DO - 213AA



Dimensions in millimeters

FEATURES

- ◇ Ideal for surface mounted applications.
- ◇ Low leakage current.
- ◇ Glass passivated chips.
- ◇ Fast switching.
- ◇ High temperature soldering guaranteed：
  250℃/10 seconds/.375”,(9.5mm) lead lengths

MECHANICAL DATA

- ◇ Molded plastic use UL94V-0 recognized flame retardant epoxy.
- ◇ Plated terminals, solderable per MIL-STD-202, method 208
- ◇ Polarity: Color band on body denotes cathode.

Mounting position: Any Weight: 0.036 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25℃ Ambient temp. Unless otherwise specified.

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

	SYMBOL	RGL 341A	RGL 341B	RGL 341D	RGL 341G	RGL 341J	RGL 341K	RGL 341M	UNITS
Maximum Current Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current T_T=55℃	I(AV)	1.0							Amps
Peak Forward Surge Current Single Sine-wave on Rated Load (JEDEC Method)	IFSM	10							Amps
Maximum Instantaneous Forward Voltage Drop at 1.0A DC	VF	1.3							Volts
Maximum DC Reverse Current T_A=25℃ at Rated DC Blocking Voltage T_A=125℃	IR	5.0 100.0							μA
Maximum Reverse Recovery Time , Test Conditions：I_F=0.5A, I_R=1.0A, I_{RR}=0.25A	Trr	150				250	500		nS
Typical Junction Capacitance VR= 4.0V,f = 1.0MHZ	CJ	15							pF
Operating Junction And Storage Temperature Range	TJ TSTG	-55 to +150							℃

http://www.luguang.cn **mail:lge@luguang.cn**

RGL341A-RGL341M

Surface Mount Rectifiers

FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

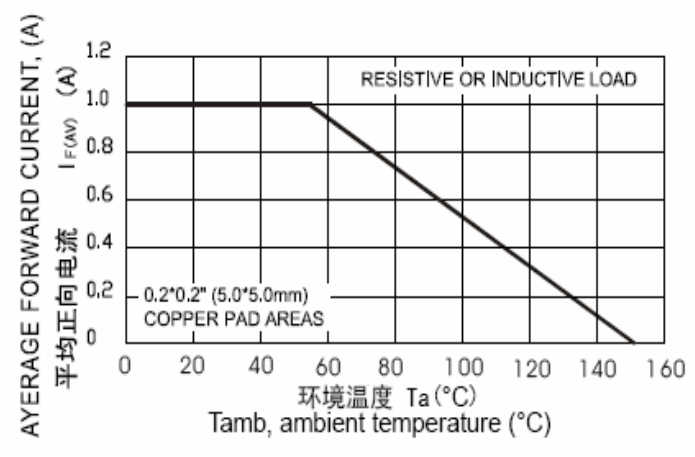


FIG. 2 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT

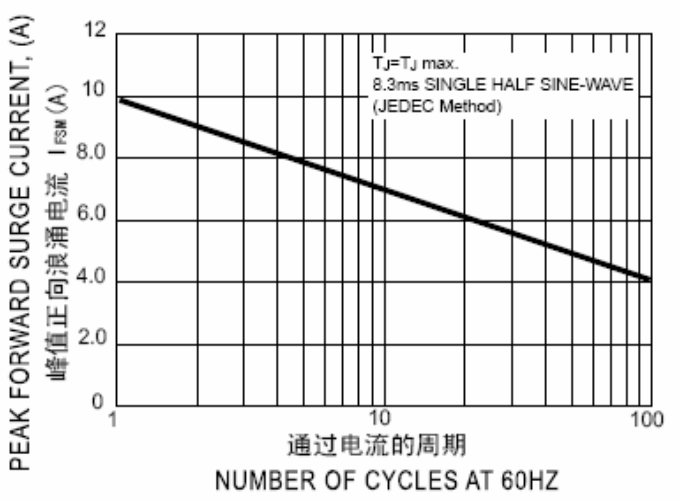


FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

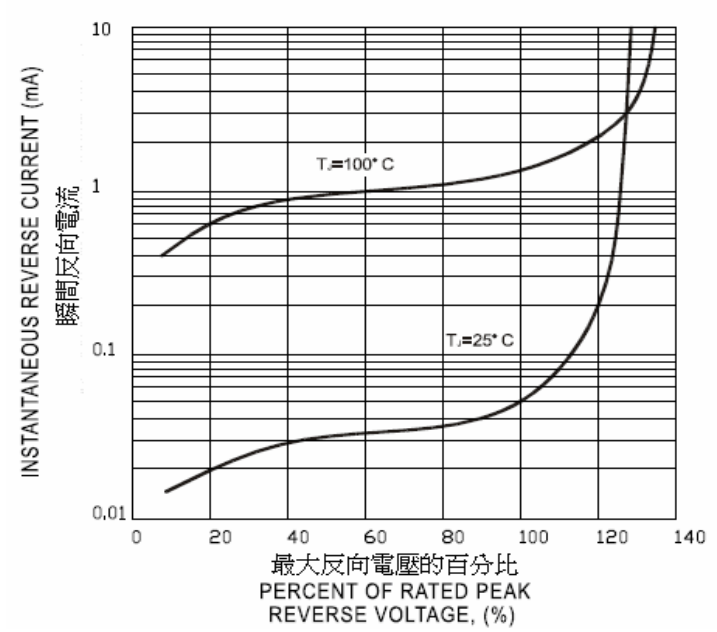


FIG. 4 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

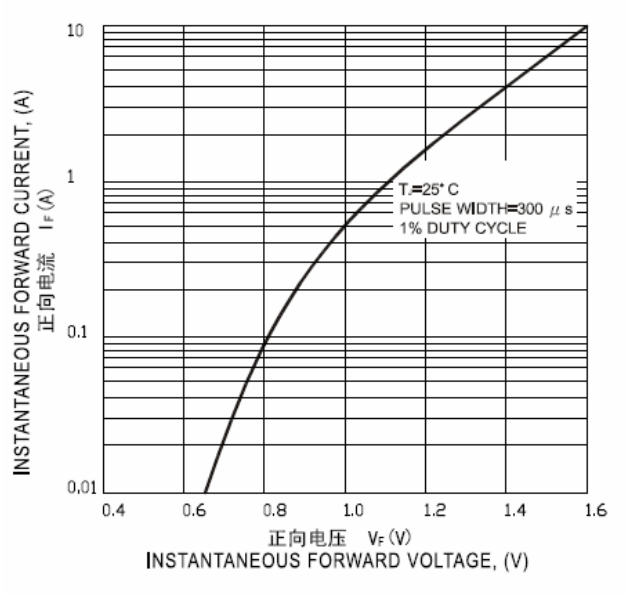


FIG. 5 –TYPICAL JUNCTION CAPACITANCE