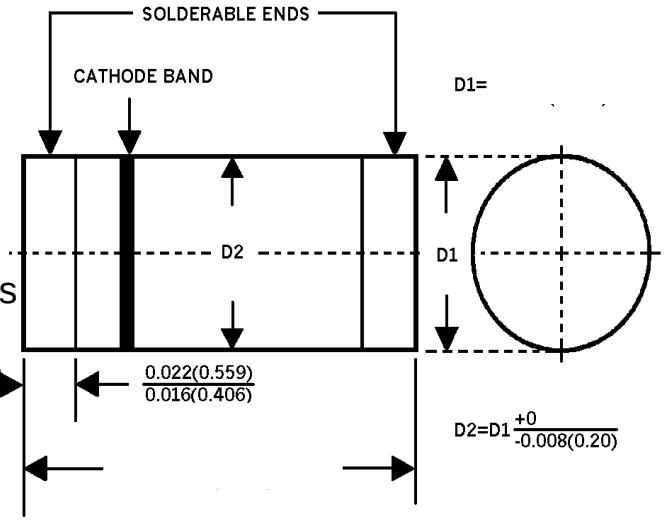
RGL34A THRU RGL34M

SURFACE MOUNT GLASS PASSIVATED JUNCTION FAST SWITCHING RECTIFIER

FEATURES

. Ideal for surface mounted applications
. Easy pick and place
. Low leakage current
. Glass passivated chips
. Fast switching
. Metallurgically bonded construction
. High temperature soldering guaranteed:
250℃/10 seconds/.375",(9.5mm) lead lengths



MECHANICAL DATA

Case: Molded plastic use UL94V-0 recognized flame retardant epoxy

Terminals: Plated terminals, solderable per MIL-STD-202, method 208

Polarity: Red color band on body denotes cathode

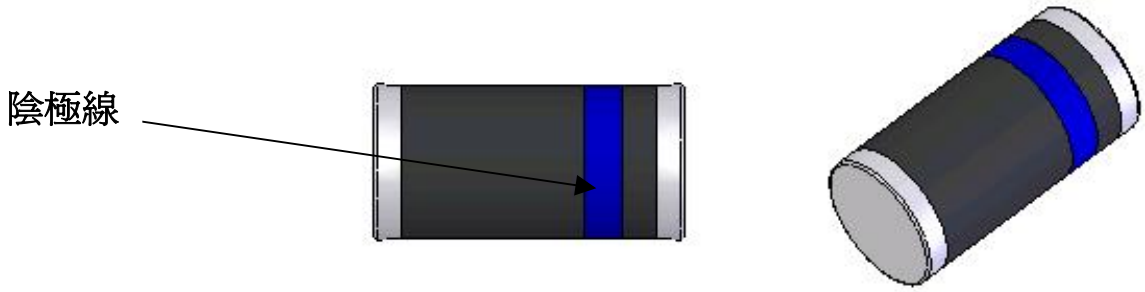
Mounting position: Any

Weight: 0.036gram

Dimension in inches (millimeters)

CHIP

DEVICE MARKING



整流二極管通用符號:

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 34A	RGL 34B	RGL 34D	RGL 34G	RGL 34J	RGL 34K	RGL 34M	UNITS
Maximum Current Peak Reverse	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=60℃	I(AV)	0.5							Amps
Peak Forward Surge Current Single Sine-wave on Rated Load (JEDEC Method)	IFSM	30							Amps
Maximum Instantaneous Forward Voltage Drop at 0.5A 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	Trr	150				250	500		nS
Typical Junction Capacitance	CJ	15.0							pF
Operating Junction Temperature	TJ	-65 to +150							℃
Storage Temperature Range	TSTG	-65 to +150							℃

Notes: 1. Reverse Recovery Test Conditions: I_F=0.5A, I_R=1.0A, I_{RR}=0.25A

2. Measured at 1 MHz and Applied Reverse Voltage of 4.0 V D.C.

RATING AND CHARACTERISTIC CURVES RGL34A THRU RGL34M

FIG. 1 – MAXIMUM FORWARD CURRENT DERATING CURVE

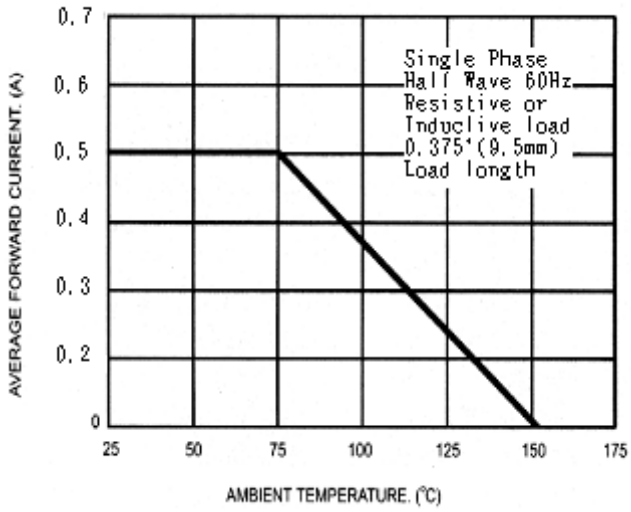


FIG. 2 – MAXIMUM NON - REPETITIVE PEAK FORWARD SURGE CURRENT

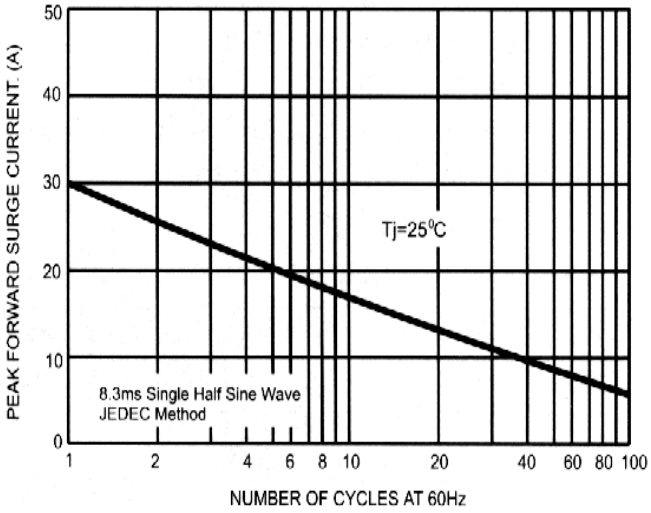


FIG. 3 – TYPICAL JUNCTION CAPACITANCE

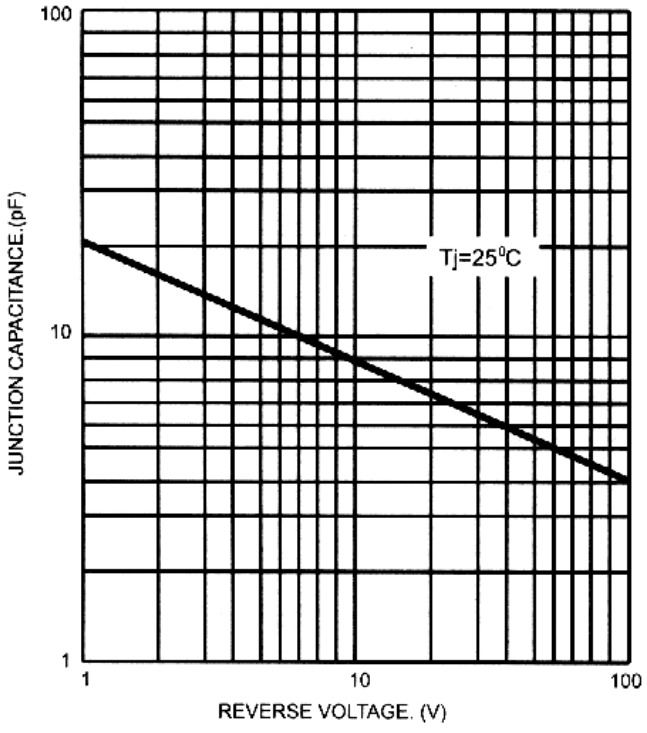


FIG. 4 – TYPICAL FORWARD CHARACTERISTICS