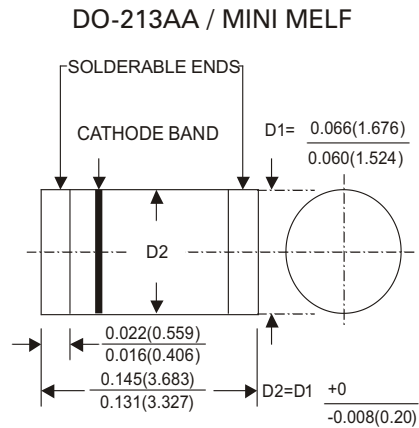


# GL341A thru GL341M

## STANDARD RECOVERY RECTIFIERS



Dimension in inches (millimeters)

### FEATURES

- Low power loss, high efficient
- High surge current capability
- Low forward voltage drop
- For use in low voltage, highfrequency inverters, Free wheeling application
- Guarding for over voltage protection

### MECHANICAL DATA

Case : Molded plastic use UL94V-0 recognized flame retardant epoxy  
 Terminals : Plated terminals  
 Polarity : Color band on body denotes cathode  
 Mounting position : Any  
 Weight : 0.0317gram

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temp. unless otherwise specified  
 Single phase, half sine wave, 60Hz, resistive or inductive load  
 For capacitive load, derate current by 20%

	SYMBOL	GL 341A	GL 341B	GL 341D	GL 341G	GL 341J	GL 341K	GL 341M	UNITS
Maximum Current Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	$V_{RMS}$	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current	$I_{(AV)}$	1.0							Amps
Peak Forward Surge Current Single Sine-Wave on Rated Load (JEDEC Method)	$I_{FSM}$	10							Amps
Maximum Instantaneous Forward Voltage Drop at 1.0A DC	$V_F$	1.1							Volts
Maximum DC Reverse Current @ $T_A=25^\circ C$ at Rated DC Blocking Voltage $T_A=100^\circ C$	$I_R$	5.0 250							mA
Typical Junction Capacitance	$C_J$	15							pF
Typical Thermal Resistance	$R_{\theta JC}$	125							$^\circ C / W$
Operating Junction and Storage Temperature Range	$T_J$ $T_{STG}$	-65 to +150							$^\circ C$

# GL341A thru GL341M

## STANDARD RECOVERY RECTIFIERS

### RATING AND CHARACTERISTICS CURVES GL341A THRU GL341M

FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

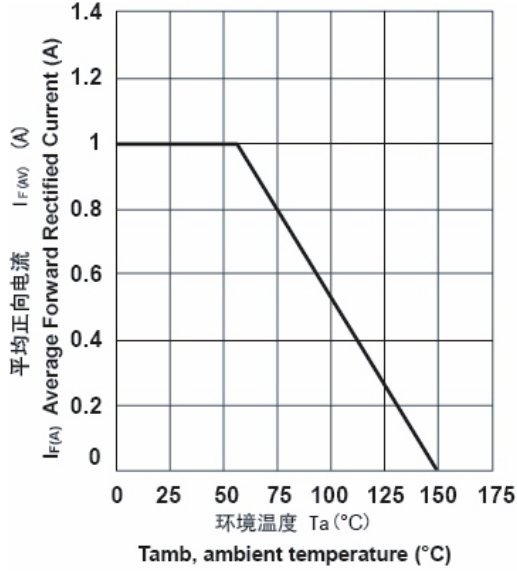


FIG. 2 – MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

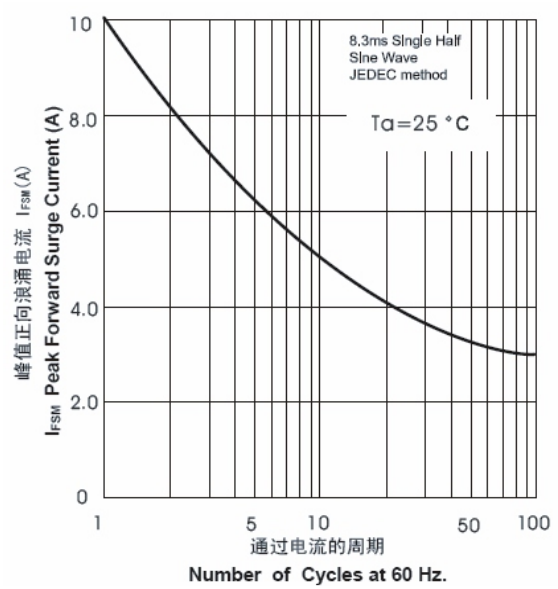


FIG. 3 – TYPICAL FORWARD CHARACTERISTICS

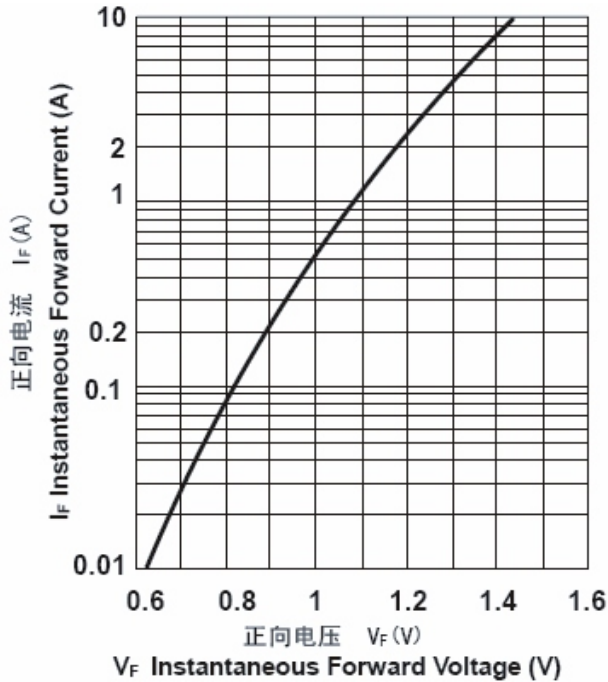


FIG. 4 – TYPICAL JUNCTION CAPACITANCE

