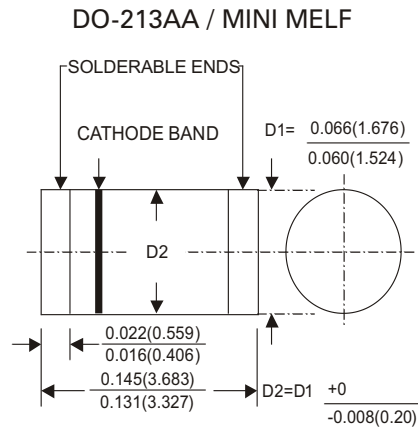


GL341A thru GL341M

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 @ $T_A=25^\circ\text{C}$ at Rated DC Blocking Voltage $T_A=100^\circ\text{C}$	I_R	5.0 250							mA
Typical Junction Capacitance	C_J	15							pF
Typical Thermal Resistance	$R_{\theta JC}$	125							$^\circ\text{C} / \text{W}$
Operating Junction and Storage Temperature Range	T_J T_{STG}	-65 to +150							$^\circ\text{C}$

GL341A thru GL341M

STANDARD RECOVERY RECTIFIERS

RATING AND CHARACTERISTICS CURVES GL341A THRU GL341M

FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

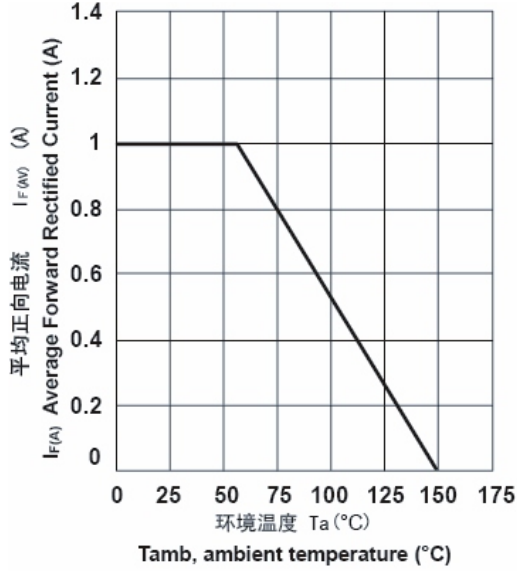


FIG. 2 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT

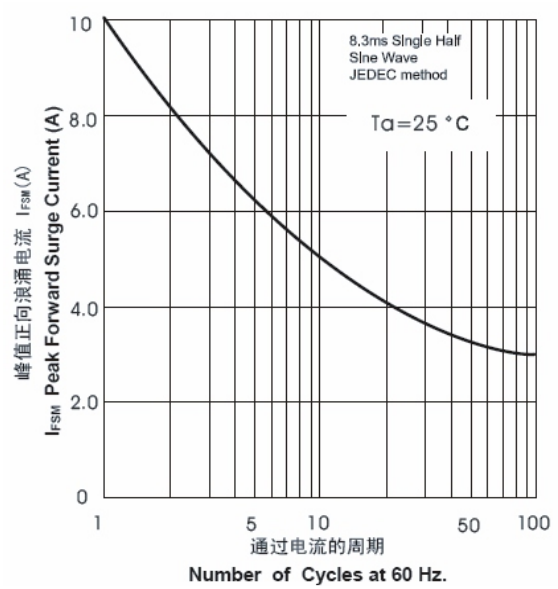


FIG. 3 – TYPICAL FORWARD CHARACTERISTICS

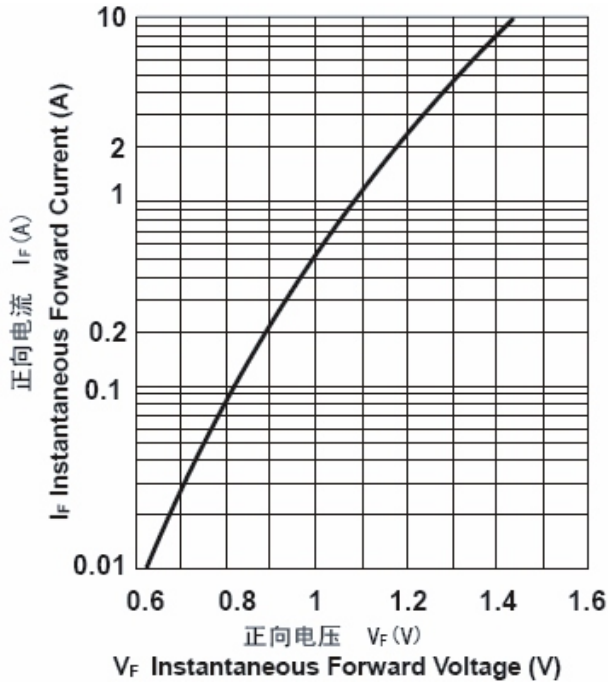


FIG. 4 – TYPICAL JUNCTION CAPACITANCE

