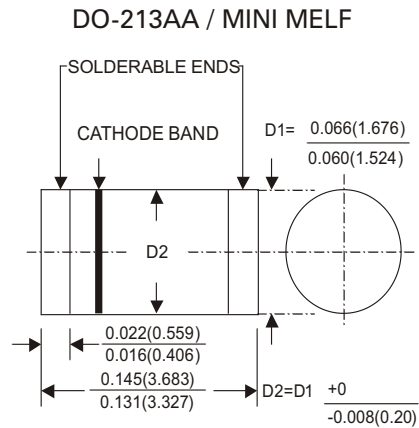


# HGL341A thru HGL341M

## SURFACE MOUNT GLASS PASSIVATED HIGH EFFICIENCY RECTIFIER



Dimension in inches (millimeters)

### FEATURES

- Ideal for surface mounted applications
- Low leakage current
- Glass passivated chips
- High temperature soldering guaranteed :  
250°C/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, Method208  
 Polarity : Color band on body denotes cathode  
 Mounting position : Any  
 Weight : 0.036gram

### 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	HGL 341A	HGL 341B	HGL 341D	HGL 341G	HGL 341J	HGL 341K	HGL 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 $T_T=55^\circ\text{C}$	$I_{(AV)}$	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		1.3		1.75			Volts
Maximum DC Reverse Current $T_A=25^\circ\text{C}$ at Rated DC Blocking Voltage $T_A=125^\circ\text{C}$	$I_R$	5.0 100							$\mu\text{A}$
Maximum Reverse Recovery Time, Test Conditions : $I_F=0.5\text{A}$ , $I_R=1.0\text{A}$ , $I_{RR}=0.25\text{A}$	$T_{RR}$	50				75			nS
Typical Junction Capacitance	$C_J$	17				15			pF
Operating Junction and Storage Temperature Range	$T_J$ $T_{STG}$	-55 to +150							$^\circ\text{C}$

# HGL341A thru HGL341M

## SURFACE MOUNT GLASS PASSIVATED HIGH EFFICIENCY RECTIFIER

### RATING AND CHARACTERISTICS CURVES HGL341A THRU HGL341M

FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

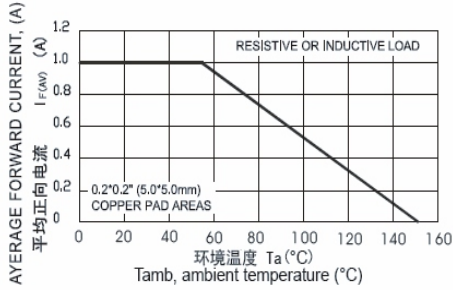


FIG. 2 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT

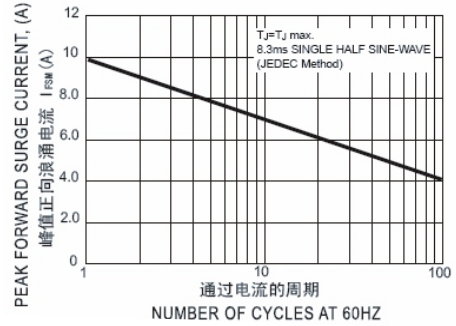


FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

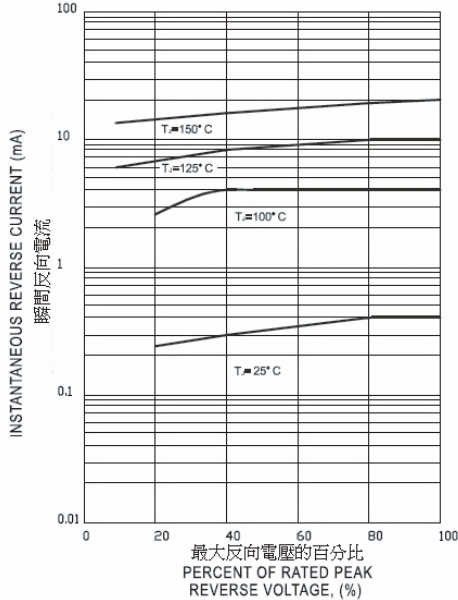


FIG. 4 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

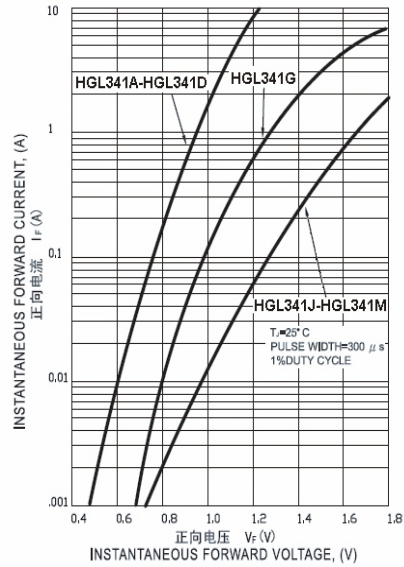


FIG. 5 – 表面電容(典型值)  
FIG. 5 – TYPICAL JUNCTION CAPACITANCE

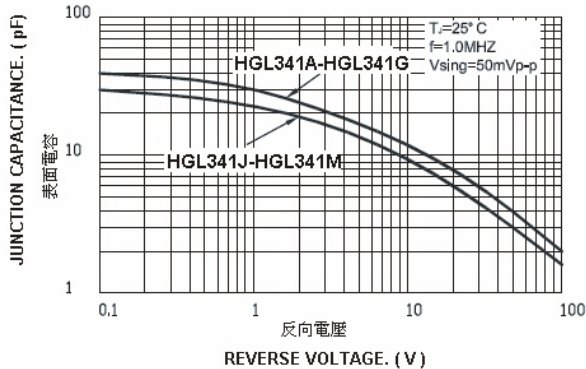


FIG. 6 – 瞬態熱阻(典型值)  
FIG. 6 – TYPICAL TRANSIENT THERMAL IMPEDANCE

