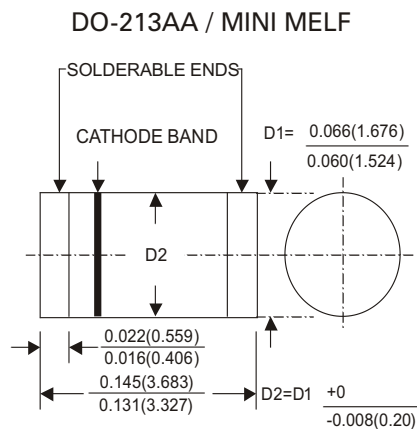


HGL341A thru HGL341M

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°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°C at Rated DC Blocking Voltage T _A =125°C	I _R	5.0 100							μ A
Maximum Reverse Recovery Time, Test Conditions : I _F =0.5A, I _R =1.0A , I _{RR} =0.25A	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							°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

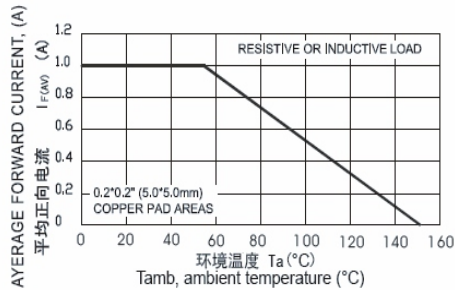


FIG. 2 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT

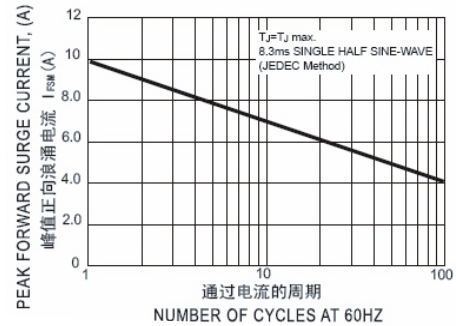


FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

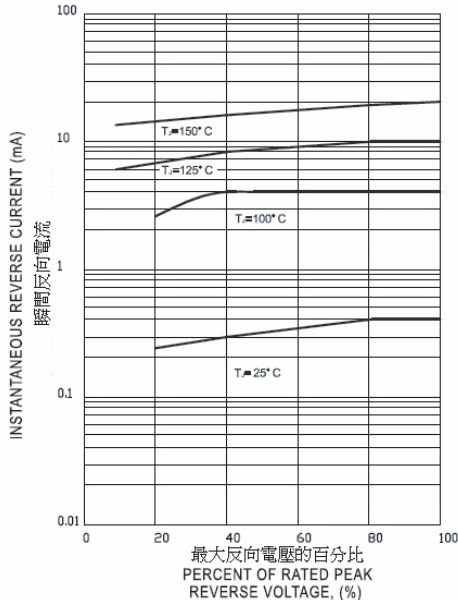


FIG. 4 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

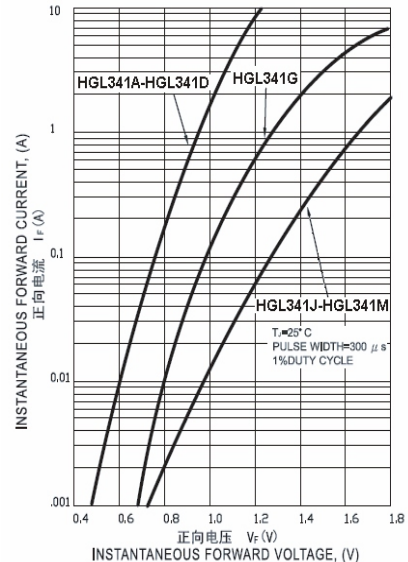


FIG. 5 – 表面電容(典型值)
FIG. 5 – TYPICAL JUNCTION CAPACITANCE

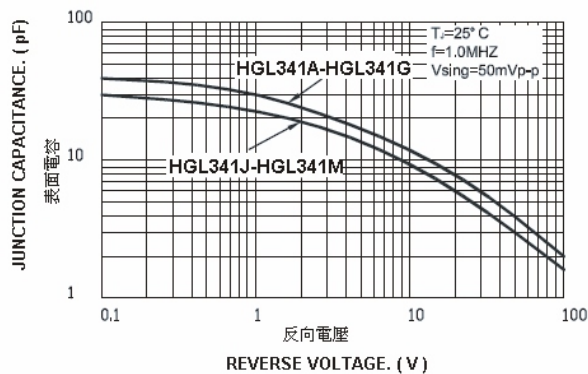


FIG. 6 – 瞬態熱阻(典型值)
FIG. 6 – TYPICAL TRANSIENT THERMAL IMPEDANCE

