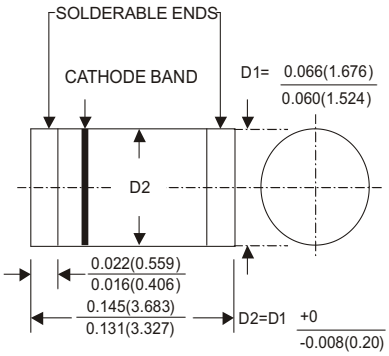
HGL341A thru HGL341M

SURFACE MOUNT GLASS

FEATURES

- Ldeal for surface mounted applications
- Low leakage current
- Glass passivated chips
- High temperature soldering guaranteed：
  250°C/10 seconds/.375″ , (9.5mm) lead lengths

DO-213AA / MINI MELF



Dimension in inches (millimeters)

MECHANICAL DATA

Case：Molded plastic use UL94V-0 recoqnized 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 RATIXGS 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							μA
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

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FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

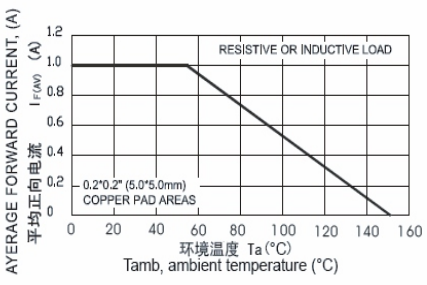

FIG. 2 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT

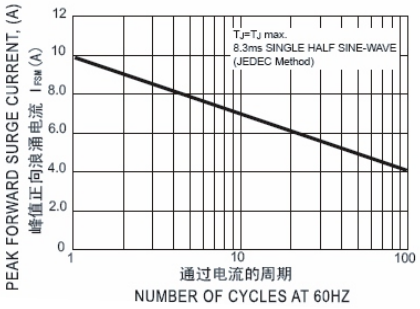

FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

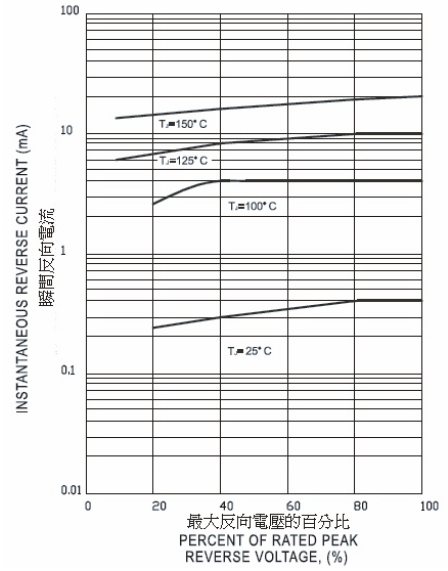

FIG. 4 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

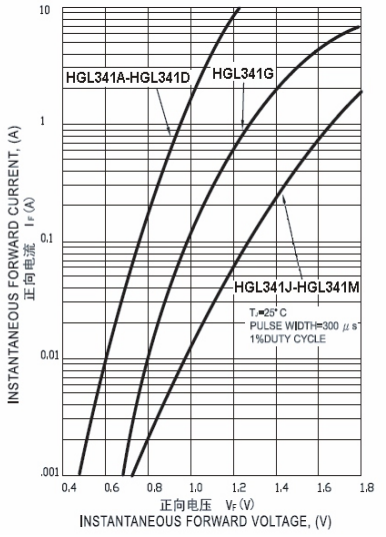

FIG. 5 –表面電容(典型值)
FIG. 5 –TYPICAL JUNCTION CAPACITANCE

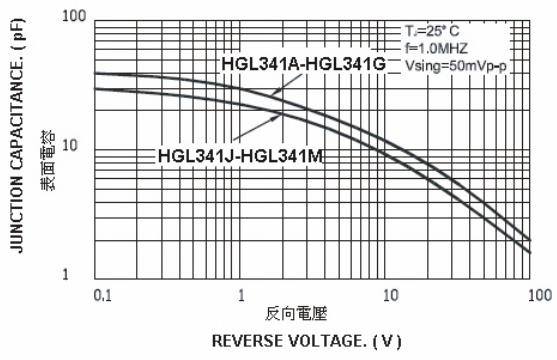

FIG. 6 –瞬態熱阻(典型值)
FIG. 6 –TYPICAL TRANSIENT THERMAL IMPEDANCE