



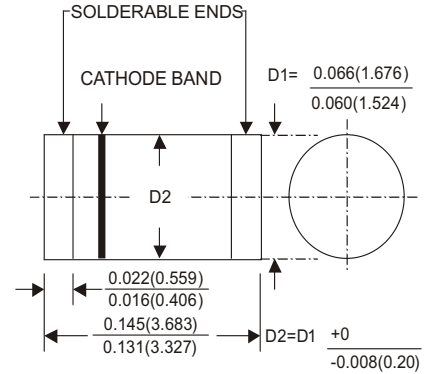
### FEATURES

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

DO-213AA / MINI MELF

### 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



Dimension in inches (millimeters)

### 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 34A	HGL 34B	HGL 34D	HGL 34G	HGL 34J	HGL 34K	HGL 34M	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 $T_T=55^\circ C$	$I_{(AV)}$	0.5							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 $T_A=25^\circ C$ at Rated DC Blocking Voltage $T_A=125^\circ C$	$I_R$	5.0 100							$\mu A$
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							$^\circ C$



FIG. 1 – DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

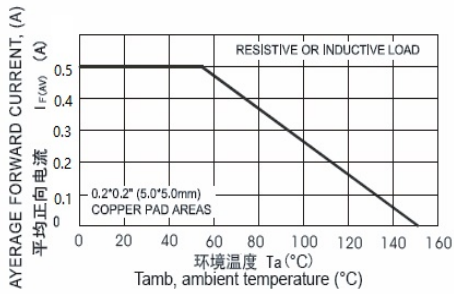


FIG. 2 – MAXIMUM NON – REPETITIVE PEAK FORWARD SURGE CURRENT

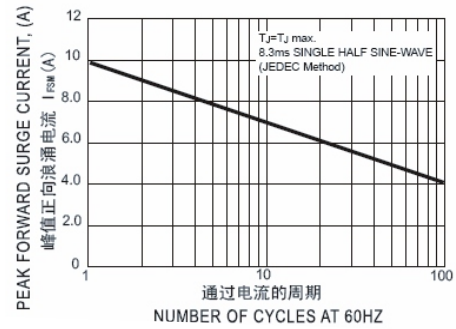


FIG. 3 – TYPICAL REVERSE CHARACTERISTICS

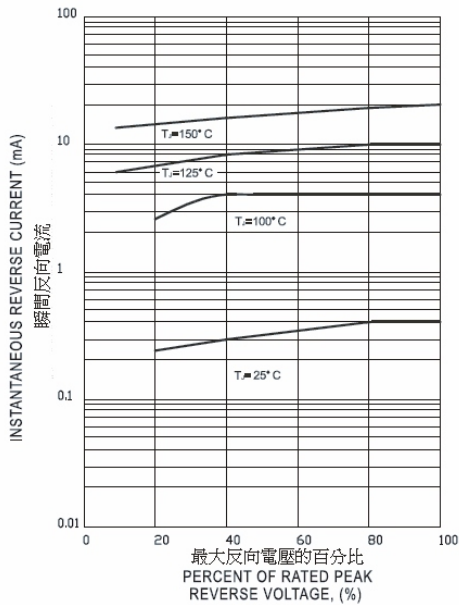


FIG. 4 – TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

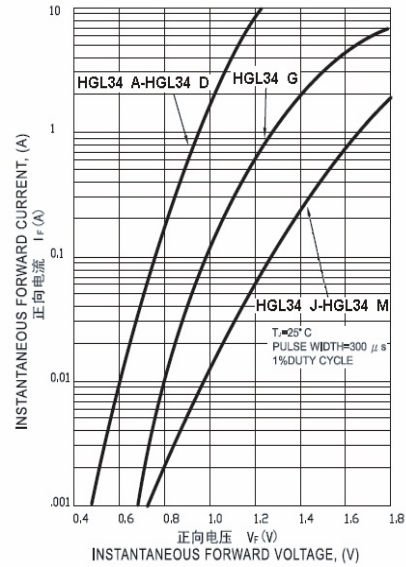


FIG. 5 – TYPICAL JUNCTION CAPACITANCE

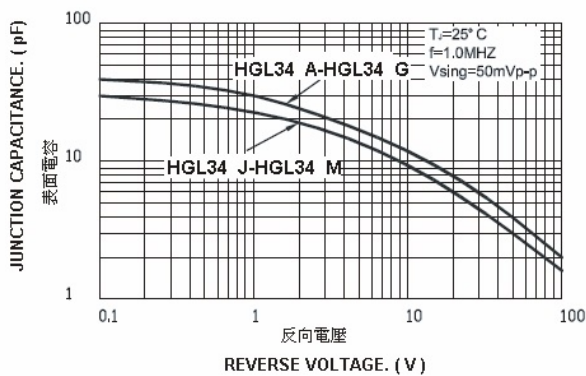
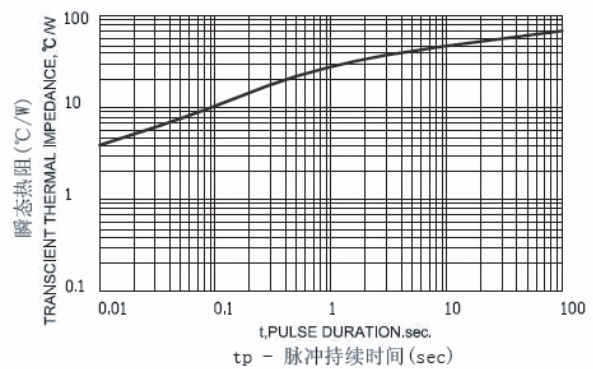


FIG. 6 – TYPICAL TRANSIENT THERMAL IMPEDANCE



PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
DO-213AA	5000/REEL	80000	36.0X35.8X36.5	18.00	16.00