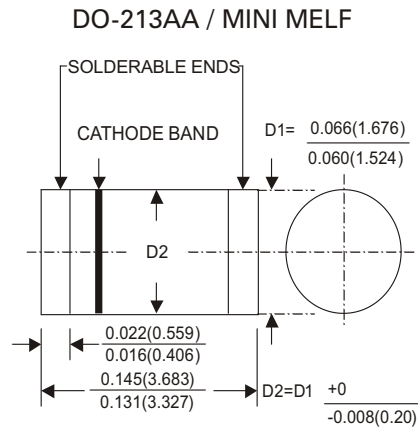


# EGL341A thru EGL341J

## SURFACE MOUNT GLASS PASSIVATED SUPER FAST SWITCHING RECTIFIER



Dimension in inches (millimeters)

### FEATURES

- Ideal for surface mounted applications
- Low leakage current
- Glass passivated chips
- Fast switching
- 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	EGL 341A	EGL 341B	EGL 341C	EGL 341D	EGL 341F	EGL 341G	EGL 341J	UNITS
Maximum Current Peak Reverse Voltage	$V_{RRM}$	50	100	150	200	300	400	600	Volts
Maximum RMS Voltage	$V_{RMS}$	35	70	105	140	210	280	420	Volts
Maximum DC Blocking Voltage	$V_{DC}$	50	100	150	200	300	400	600	Volts
Maximum Average Forward Rectified Current $T_J=55^\circ\text{C}$	$I_{(AV)}$	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	$V_F$	1.05			1.3		1.75		Volts
Maximum DC Reverse Current @ $T_A=25^\circ\text{C}$ at Rated DC Blocking Voltage @ $T_A=125^\circ\text{C}$	$I_R$	5 100							$\mu\text{A}$
Maximum Reverse Recovery Time, Test Conditions : $I_F=0.5\text{A}$ , $I_R=1.0\text{A}$ , $I_{RR}=0.25\text{A}$	$T_{RR}$	35							nS
Typical Junction Capacitance	$C_J$	15							pF
Operating Junction and Storage Temperature Range	$T_J$ $T_{STG}$	-55 to +150							$^\circ\text{C}$

# EGL341A thru EGL341J

## SURFACE MOUNT GLASS PASSIVATED SUPER FAST SWITCHING RECTIFIER

### RATING AND CHARACTERISTICS CURVES EGL341A THRU EGL341J

FIG. 1 - DERATING CURVE FOR OUTPUT RECTIFIER CURRENT

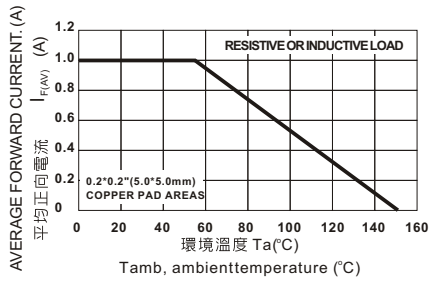


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

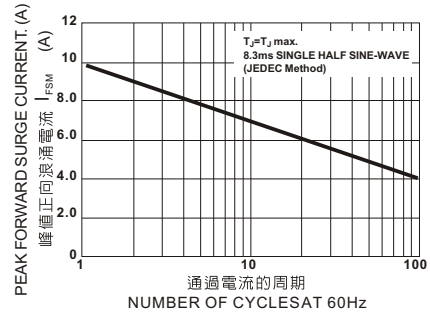


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

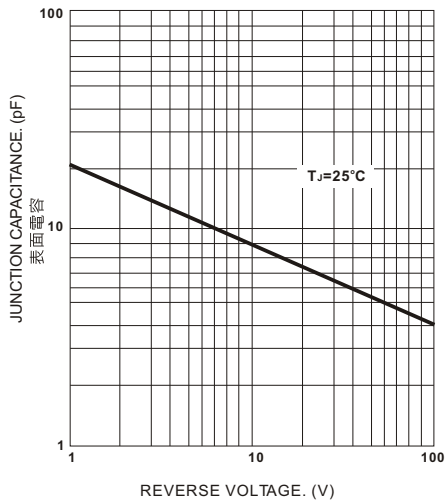


FIG. 4 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

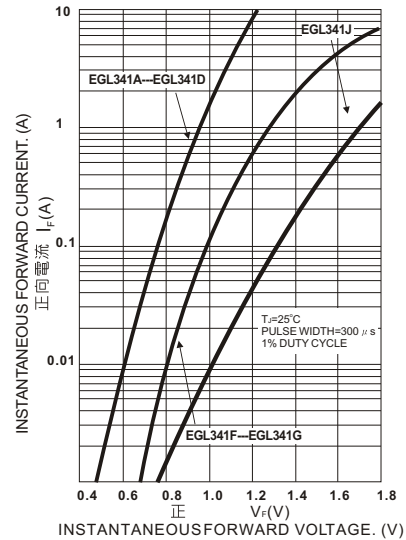


FIG. 5 反向特性曲線(典型值)

FIG. 5 - TYPICAL REVERSE CHARACTERISTICS

