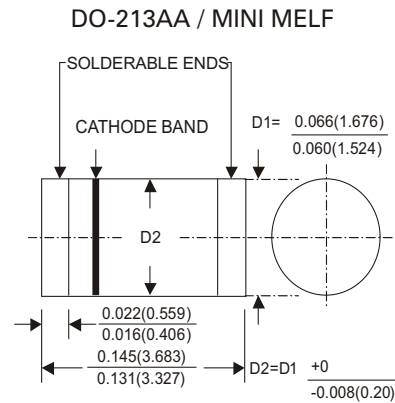


EGL341A thru EGL341J

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 $T_T=55^\circ\text{C}$	$I_{(AV)}$	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	1.05				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		μA	
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

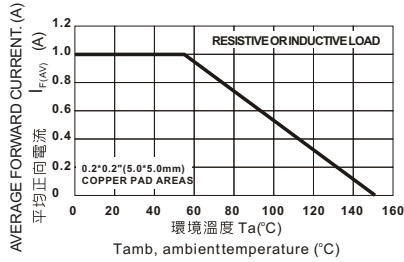


FIG. 2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

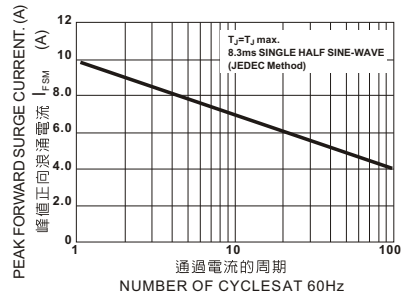


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

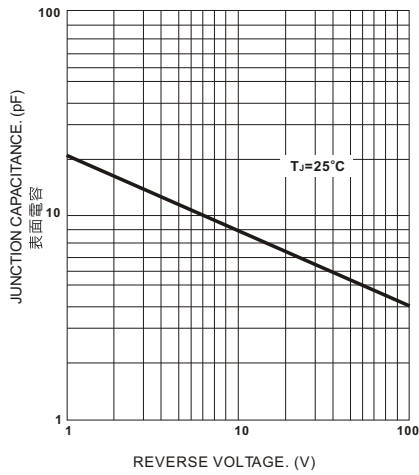


FIG. 4 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

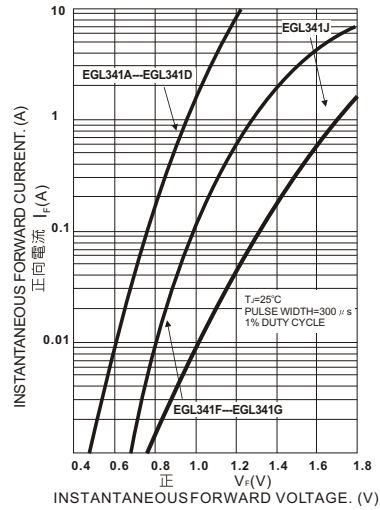


FIG. 5 反向特性曲線(典型值)

FIG. 5 - TYPICAL REVERSE CHARACTERISTICS

