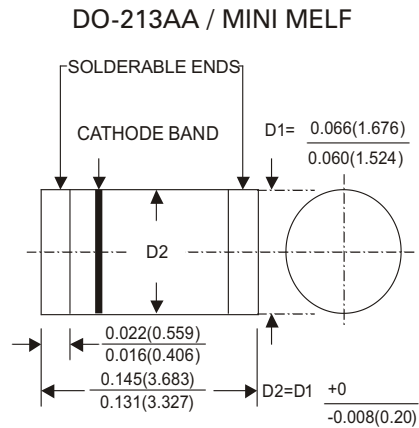


SGL341-20 thru SGL341-60

SURFACE MOUNT SCHOTTKY RECTIFIER



Dimension in inches (millimeters)

FEATURES

- Low power loss, high efficiency
- High current and surge capability
- Low forward voltage drop
- For use in low voltage, high frequency inverters, Free wheeling application
- Guarding for over voltage protection

MECHANICAL DATA

Case : Molded plastic use UL94V-0 recognized flame retardant epoxy
 Terminals : Plated terminals
 Polarity : Color band on body denotes cathode
 Mounting position : Any
 Weight : 0.0317gram

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	SGL 341-20	SGL 341-30	SGL 341-40	SGL 341-50	SGL 341-60	UNITS
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	Volts
Maximum RMS Voltage	V_{RMS}	14	24	28	35	42	Volts
Maximum DC Blocking Voltage	V_{DC}	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current	$I_{(AV)}$	1.0					Amps
Peak Forward Surge Current Sine-Wave on Rated Load (JEDEC Method)	I_{FSM}	10					Amps
Maximum Instantaneous Forward Voltage at 1.0A DC	V_F	0.45	0.55	0.6	0.7		Volts
Maximum DC Reverse Current $T_A=25^\circ\text{C}$ at Rated DC Blocking Voltage $T_A=100^\circ\text{C}$	I_R	0.5			10		mA
Typical Thermal Resistance	$R_{\theta JC}$	75					$^\circ\text{C} / \text{W}$
Typical Junction Capacitance	C_J	110			90		pF
Operating Junction and Storage Temperature Range	T_J T_{STG}	-55 to +125			-55 to +150		$^\circ\text{C}$

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RATING AND CHARACTERISTICS CURVES SGL341-20 THRU SGL341-60

