

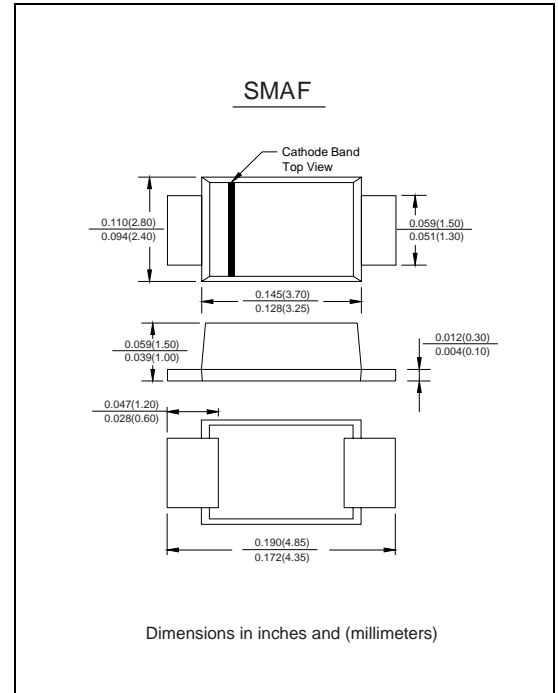
## SL22AF~SL210AF 2.0Amp Schottky Barrier Rectifiers

### Features

- ◆ For surface mounted applications
- ◆ Low forward voltage drop
- ◆ Low power loss,high efficiency
- ◆ Construction utilizes void-free molded plastic technique
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed:  
260°C/10 seconds at terminals

### Mechanical Data

Case: JEDEC SMAF molded plastic body  
 Terminals: Solder plated, solderable per MIL-STD-750, Method 2026  
 Polarity: Color band denotes cathode end  
 Mounting Position: Any  
 Weight : 0.0014 ounce, 0.038 grams



### Maximum Ratings And Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

MDD Catalog Number	SYMBOLS	SL22AF	SL24AF	SL26AF	SL210AF	UNITS
Maximum repetitive peak reverse voltage	$V_{RRM}$	20	40	60	100	VOLTS
Maximum RMS voltage	$V_{RMS}$	14	28	42	70	VOLTS
Maximum DC blocking voltage	$V_{DC}$	20	40	60	100	VOLTS
Maximum average forward rectified current 0.375" (9.5mm) lead length(see fig.1)	$I_{(AV)}$	2.0				Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	50.0				Amps
Maximum instantaneous forward voltage at 2.0A	$V_F$	$T_A=25^{\circ}C$ 0.40	0.45	0.55	0.70	Volts
		$T_A=125^{\circ}C$ 0.35	0.40	0.50	0.62	
Maximum DC reverse current at rated DC blocking voltage	$I_R$	$T_A=25^{\circ}C$ 1.0	0.5		20.0	mA
		$T_A=125^{\circ}C$ 50.0				
Typical junction capacitance (NOTE 1)	$C_J$	120				pF
Typical thermal resistance (NOTE 2)	$R_{\theta JA}$	60				°C/W
Operating junction temperature range	$T_J$	-50 to +125				°C

Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

# Ratings And Characteristic Curves

## SL22AF THRU SL210AF

FIG. 1- FORWARD CURRENT DERATING CURVE

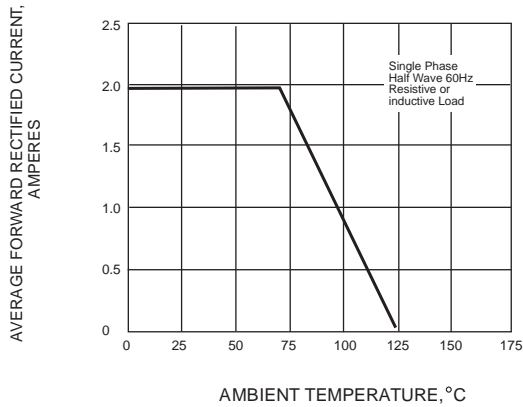


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

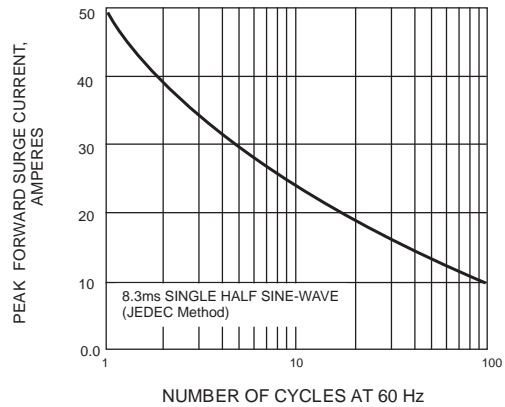


FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

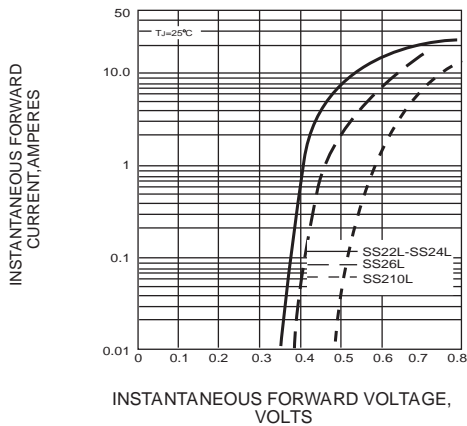


FIG. 4-TYPICAL REVERSE CHARACTERISTICS

