

### 3.0Amp Surface Mount Schottky Barrier Rectifiers

### SK32FL~SK320FL

#### Features

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ For surface mounted applications
- ◆ Low reverse leakage
- ◆ Built-in strain relief,ideal for automated placement
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed:  
250°C/10 seconds at terminals

#### Mechanical Data

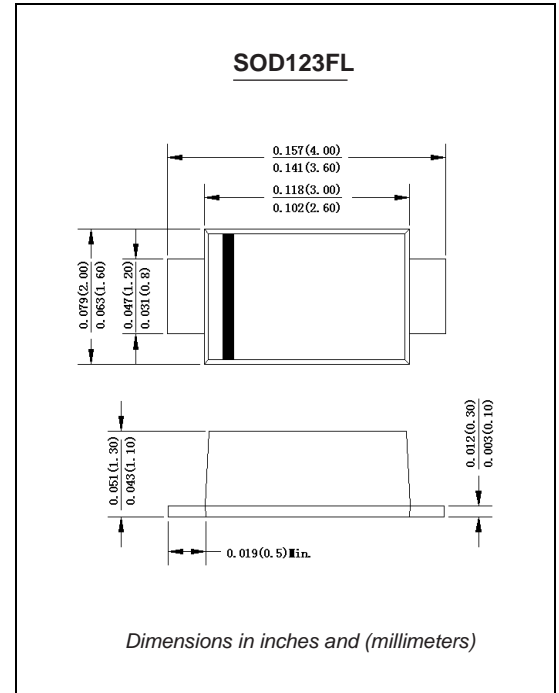
**Case:** JEDEC SOD123FL molded plastic body

**Terminals:** Solder plated, solderable per MIL-STD-750, Method 2026

**Polarity:** Color band denotes cathode end

**Mounting Position:** Any

**Weight :** 0.0007 ounce, 0.02 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%.

	SYMBOLS	SK32FL	SK34FL	SK36FL	SK38FL	SK310FL	SK315FL	SK320FL	UNITS	
	Mark Code	K32	K34	K36	K38	K310	K315	K320		
Maximum repetitive peak reverse voltage	$V_{RRM}$	20	40	60	80	100	150	200	VOLTS	
Maximum RMS voltage	$V_{RMS}$	14	21	28	56	70	105	150	VOLTS	
Maximum DC blocking voltage	$V_{DC}$	20	40	60	80	100	150	200	VOLTS	
Maximum average forward rectified current at $T_L=110^\circ\text{C}$	$I_{(AV)}$	3.0							Amp	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	80.0							Amps	
Maximum instantaneous forward voltage at 3.0A	$V_F$	0.55	0.70	0.85	0.95				Volts	
Maximum DC reverse current at rated DC blocking voltage	$I_R$	0.5				0.1		2.0		mA
Typical thermal resistance (NOTE 1)	$R_{\theta JA}$	75.0							C/W	
Operating junction and storage temperature range	$T_J, T_{STG}$	-55 to +150							°C	

**Note:** 1.P.C.B. mounted with 5.0x5.0mm copper pad areas

# Ratings And Characteristic Curves

## SK32FL THRU SK320FL

