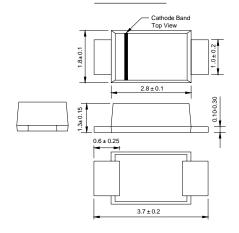


DSK32 THRU DSK310

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 20 to 100 Volts Forward Current - 3.0 Ampere

SOD-123FL



Dimensions in millimeters

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High forward surge current capability
- → High temperature soldering guaranteed: 250°C/10 seconds,0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

MECHANICAL DATA

Case: JEDEC SOD-123FL molded plastic body

Terminals: Plated axial leads, 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

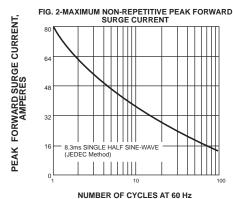
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.

Catalog Number	SYMBOLS	DSK32 K32	DSK33 K33	DSK34 K34	DSK35 K35	DSK36 K36	DSK37 K37	DSK38 K38	DSK39 K39	DSK310 K310	UNITS
Maximum repetitive peak reverse voltage	Vrrm	20	30	40	50	60	70	80	90	100	VOLTS
Maximum RMS voltage	VRMS	14	21	28	35	42	49	56	63	70	VOLTS
Maximum DC blocking voltage	VDC	20	30	40	50	60	70	80	90	100	VOLTS
Maximum average forward rectified current	l(AV)	3.0								Amp	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	Ігѕм	80.0									Amps
Maximum instantaneous forward voltage at 3.0A	VF	0.52 0.55 0.70				0.85				Volts	
Maximum DC reverse current Ta=25℃ at rated DC blocking voltage Ta=100℃	lr	0.5 20.0 10.0									mA
Operating junction temperature range	TJ	-50 to +125					-50 to +150			°C	
Storage temperature range	Тѕтс	-50 to +150									°C

RATINGS AND CHARACTERISTIC CURVES DSK32 THRU DSK310



1.8 Single Phase Half Wave 60Hz Resistive or Inductive Load 1.2 DSK32-DSK36 --- DSK37-DSK310 0 25 50 75 100 125 150 175



INSTANTANEOUS FORWARD VOLTAGE, VOLTS

