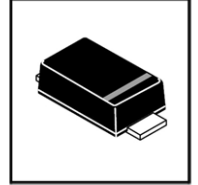


特性/机械性能:
FEATURES/MECHANICAL DATA

- ◆ Plastic package has Underwriters Laboratory
- ◆ Flammability classification 94V-0 Utilizing Flame
- ◆ Retardant Epoxy Molding Compound
- ◆ For surface mount applications
- ◆ Low leakage current.
- ◆ Case: SOD-123FL, Molded Plastic
- ◆ Terminals: Plated Leads Solderable perMIL-STD-202, Method 208
- ◆ Polarity: Cathode Band
- ◆ Weight: 0.02 grams

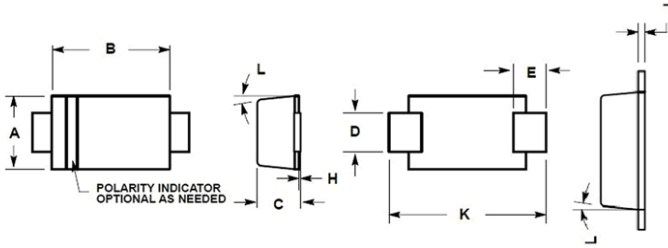


SOD-123

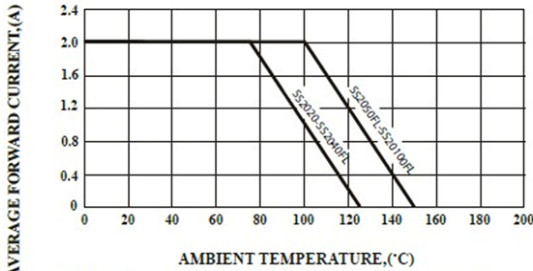
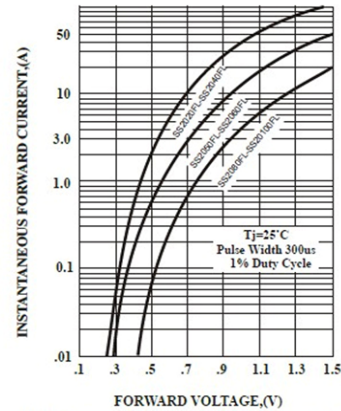
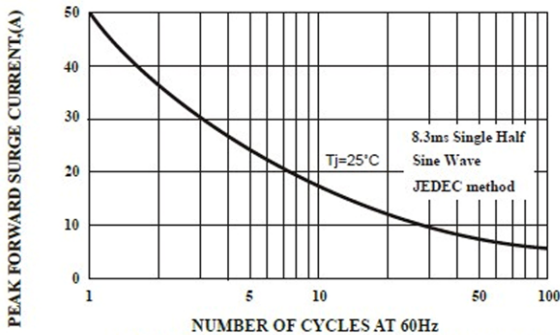
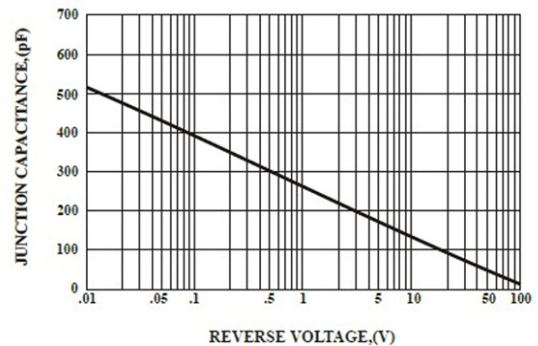
最大额定值及电气特性
MAXIMUM RATINGS AND CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

参数名称	型号	SS2020FL	SS2030FL	SS2040FL	SS2060FL	SS20100FL	单位
	代码	GM	GN	GP	GQ	GR	
Maximum repetitive peak reverse voltage	VRRM	20	30	40	60	100	V
Maximum RMS voltage	VRMS	14	21	28	42	70	V
Continuous Reverse Voltage	VR	20	30	40	60	100	V
Maximum Instantaneous @TA=25°C	VF			0.5	0.7	0.85	V
Maximum Average Forward (Fig.1)	IO			2			A
Peak Forward Surge Current 8.3 ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	IFSM			50			A
Maximum DC Reverse Current @TA=25°C	IR			0.5			mA
At Rated DC Blocking Voltage @TA=125°C				10			mA
Typical Thermal Resistance	RθJA			85(TYP)			°C/W
Typical Junction Capacitance	CJ			160(TYP)			pF
Operating Temperature Range	TJ	-55~+125		-55~+150			°C
Storage Temperature Range	TSIG			-55~+150			°C

产品外形尺寸:
Product appearance size


DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.50	1.80	0.059	0.071
B	2.50	2.90	0.098	0.114
C	0.90	1.20	0.035	0.047
D	0.70	1.10	0.028	0.043
E	0.50	0.95	0.020	0.037
H	0.00	0.10	0.000	0.004
J	0.10	0.20	0.004	0.008
K	3.40	3.90	0.134	0.154
L	0°	8°	0°	8°

特性曲线图:
RATINGS AND CHARACTERISTIC CURVES

FIG.1 Typical Forward Current Derating Curve

FIG.2 Typical Forward Characteristics

FIG.3 Maximum Non-Repetitive Forward Surge Current

FIG.4 Typical Junction Capacitance