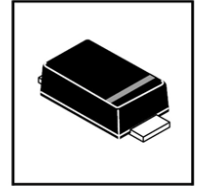


特性/机械性能:
FEATURES/MECHANICAL DATA

- ◆ Glass passivated device
- ◆ Ideal for surface mounted applications
- ◆ Low reverse leakage
- ◆ Metallurgically bonded construction
- ◆ High temperature soldering guaranteed: 250°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension
- ◆ Case: JEDEC SOD-123FL molded plastic body over passivated chip
- ◆ Terminals: Solderable per MIL-STD-750, Method 2026
- ◆ Polarity: Color band denotes cathode end
- ◆ Mounting Position: Any
- ◆ Weight: 0.006 ounce, 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.

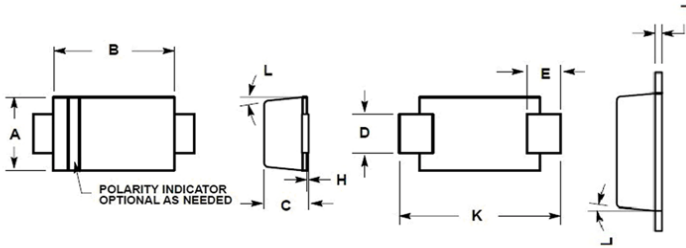
Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

参数名称	型号	ES1AL	ES1BL	ES1CL	ES1DL	ES1EL	ES1GL	ES1JL	单位
	代码	EA	EB	EC	ED	ES	EG	EJ	
Maximum repetitive peak reverse voltage	VRRM	50	100	150	200	300	400	600	V
Maximum RMS voltage	VRMS	35	70	105	140	210	280	420	V
Maximum DC blocking voltage	VDC	50	100	150	200	300	400	600	V
Maximum average forward rectified current	I (AV)	1.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	25							A
Maximum instantaneous forward voltage at=1.0A	VF				0.95	1.25	1.70	V	
Maximum DC reverse current TA=25°C	IR	5.0							μA
at rated DC blocking voltage TA=125°C		100							μA
Maximum reverse recovery time (NOTE 1)	Trr	35							ns
Typical junction capacitance (NOTE 2)	CJ	10							PF
Typical thermal resistance (NOTE 3)	Rθ (JA)	85							k/W
Operating junction and storage temperature range	TJ, TSIG	-55~+150							°C

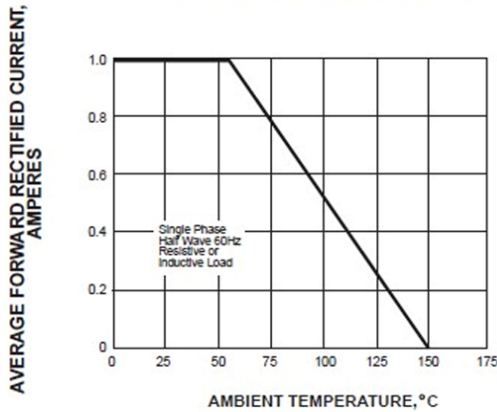
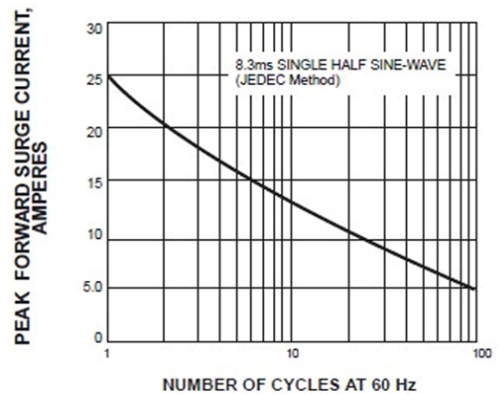
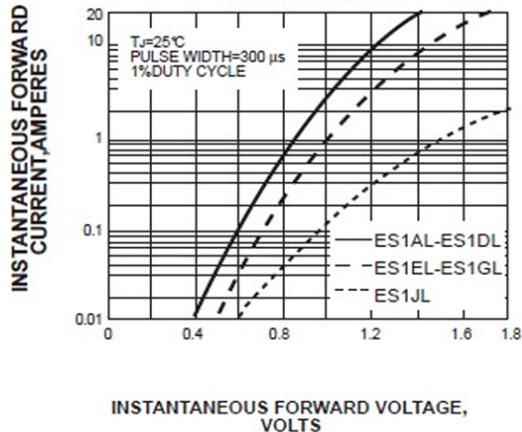
Note: 1. Measured with IF=0.5A, IR=1A, Irr=0.25A.

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

3. PCB mounted on 0.2*0.2" (5.0*5.0mm) copper pad area.

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- FORWARD CURRENT DERATING CURVE

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

FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

FIG. 4-TYPICAL REVERSE CHARACTERISTICS
