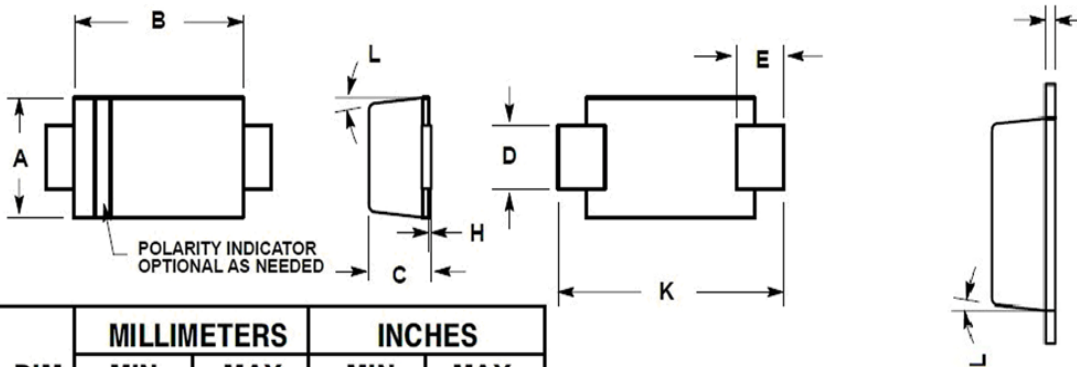


特性/机械性能:
FEATURES/MECHANICAL DATA

- ◆ Low Forward Voltage Drop.
- ◆ Guard Ring Construction For Transient Protection.
- ◆ Negligible Reverse Recovery Time.
- ◆ Low Reverse Capacitance.
- ◆ Schottky barrier switching.



SOD-123

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°

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

Parameter	Symbol	SD103AW	SD103BW	SD103CW	Unit
Peak Repetitive Peak Reverse Voltage	VRRM				
Working Peak DC Reverse Voltage	VRWM VR	40	30	20	V
RMS Reverse Voltage	VR(RMS)	28	21	14	V
Forward Continuous Current	IF	350			mA
Repetitive Peak Forward Current @t≤1.0s	IFSM	1.5			A
Power Dissipation	Pd	400			mW
Thermal Resistance Junction to Ambient	RejA	300			°C/W
Storage Temperature	Tstg	-65 to +125			°C

ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Test Conditions
Reverse breakdown voltage SD103AW SD103BW SD103CW	$V_{(BR)R}$	40 30 20			V	IR=10μA IR=10μA IR=10μA
Forward voltage	V_F			0.37 0.60	V	IF=20mA IF=200mA
Reverse current SD103AW SD103BW SD103CW	IRM			5.0	μA	VR=30V VR=20V VR=10V
Capacitance between terminals	CT		50		pF	VR=0, f=1MHz
Reverse Recovery Time	trr		10		ns	IR=IF=200mA Irr=0.1*IR, RL=100Ω

特性曲线图：
RATINGS AND CHARACTERISTIC CURVES
