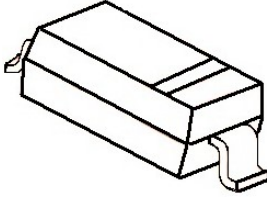




B5817W/B5818W/B5819W

SOD-123 Plastic-Encapsulate Schottky Barrier Diode

SOD-123



Marking: B5817W: SJ
 B5818W: SK
 B5819W: SL

特征 Features

- 大电流承受能力。High Current Capability
- 正向压降低。Low Forward Voltage Drop

机械数据 Mechanical Data

- 封装: SOD-123 封装 SOD-123 Small Outline Plastic Package
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 环氧树脂 UL 易燃等级 Epoxy UL: 94V-0
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性(TA = 25°C 除非另有规定)

Maximum Ratings & Thermal Characteristics (Ratings at 25°C ambient temperature unless otherwise specified.)

参数 Parameters	符号 Symbol	B5817W	B5818W	B5819W	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	VRRM	20	30	40	V
最大均方根电压 Maximum RMS voltage	VRMS	14	21	28	V
最大直流阻断电压 Maximum DC blocking voltage	VDC	20	30	40	V
最大正向平均整流电流 Maximum average forward rectified current	IFM	1.0			A
峰值正向浪涌电流 8.3ms 单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	IFSM	9			A
典型热阻 Typical thermal resistance	RθJA	250			°C/W
功率消耗 Power Dissipation	PD	500			mW
存储温度 Storage temperature range	TSTG	-50-+150			°C

电特性 (TA = 25°C 除非另有规定)

Electrical Characteristics (Ratings at 25°C ambient temperature unless otherwise specified).

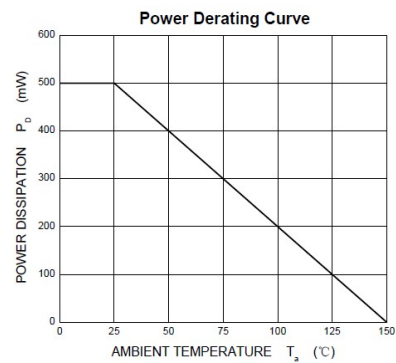
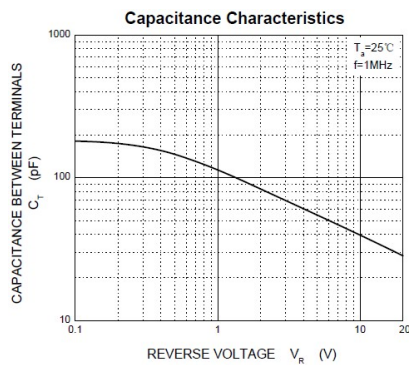
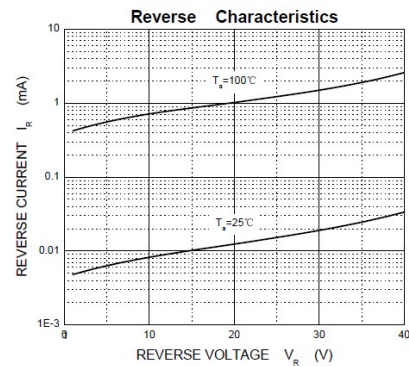
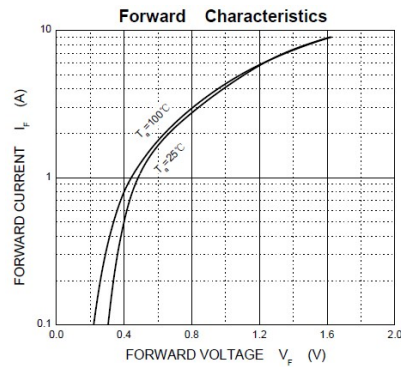
参数 Parameters	符号 Symbol	测试条件 Test conditions	B5817W	B5818W	B5819W	单位 Unit
最大正向电压 Maximum forward voltage	VF	IF = 1.0A IF = 3.0A	0.450 0.750	0.550 0.875	0.600 0.900	V
最大反向电压 Maximum reverse breakdown voltage	VR	IR=1mA	20	30	40	V
最大反向电流 Maximum reverse current	IR	VR=20V B5817W VR=30V B5818W VR=40V B5819W	1.0			mA
典型结电容 Type junction capacitance	Cj	VR = 4.0V, f = 1MHz	120			pF



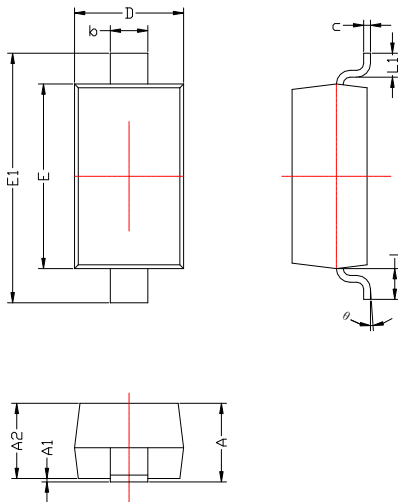
B5817W/B5818W/B5819W

SOD-123 Plastic-Encapsulate Schottky Barrier Diode

特性曲线 Characteristic Curves

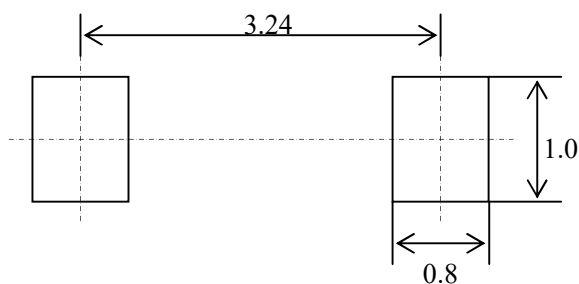


SOD-123 PACKAGE OUTLINE Plastic surface mounted package



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A	1.050	1.250
A1	0.000	0.100
A2	1.050	1.150
b	0.450	0.650
c	0.080	0.150
D	1.500	1.700
E	2.600	2.800
E1	3.550	3.850
L	0.500REF	
L1	0.250	0.450
θ	0 $^\circ$	8 $^\circ$

焊盘设计参考 Precautions: PCB Design (Recommended land dimensions for SOD-123 diode. Electrode patterns for PCBs)



技术要求:

1, 塑封体尺寸: 2.70 X 1.60

2, 未注公差为: ± 0.05

3, 所有单位: mm

中心距: 3.24

脚宽: 0.55

焊盘宽: 1.00

脚长: 0.50

焊盘长: 0.80

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Schottky Diodes & Rectifiers](#) category:

Click to view products by [Juxing Electronic Technology](#) manufacturer:

Other Similar products are found below :

[MA4E2039](#) [MA4E2508M-1112](#) [MBR1545CT](#) [MMBD301M3T5G](#) [RB160M-50TR](#) [D83C](#) [BAS16E6433HTMA1](#) [BAT 54-02LRH E6327](#)
[NRVBAF360T3G](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SK310-T](#) [SK34B-TP](#) [SS3003CH-TL-E](#) [GA01SHT18](#)
[CRS10I30A\(TE85L,QM](#) [MA4E2501L-1290](#) [MBRA140TRPBF](#) [MBRB30H30CT-1G](#) [BAT 15-04R E6152](#) [JANTX1N5712-1](#) [DMJ3940-000](#)
[SB007-03C-TB-E](#) [SK33B-TP](#) [NRVBB20100CTT4G](#) [NRVBM120LT1G](#) [NTSB30U100CT-1G](#) [VS-6CWQ10FNHM3](#) [CRG04\(T5L,TEMQ\)](#)
[ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA240-HF](#) [ACDBA3100-HF](#) [CDBQC0530L-HF](#) [CDBQC0240LR-HF](#) [ACDBA260LR-HF](#)
[ACDBA1100-HF](#) [MA4E2502L-1246](#) [10BQ015-M3/5BT](#) [NRVBM120ET1G](#) [CRS08TE85LQM](#) [PMAD1108-LF](#) [B120Q-13-F](#) [1N5819T-G](#)
[B0530WSQ-7-F](#) [PDS1040Q-13](#) [B160BQ-13-F](#) [SDM05U20CSP-7](#) [B140S1F-7](#)