

Features

- General rectification
- Low V_F ; Low I_R
- High reliability

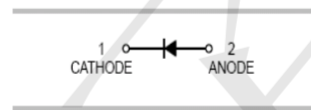
Applications

- surface mount schottky barrier rectifier

Ordering Information

- Shipping Qty:3000/7inch Tape& Reel

SOD323



Marking: S4

Absolute Maximum Ratings ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Value	Unit
DC Reverse Voltage	V_{RRM}	40	V
Mean Rectifying Current	I_O	200	mA
Peak Forward Surge Current, 8.3ms Single Half-sine-wave	I_{FSM}	1	A

Thermal Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Value	Units
Power Dissipation	P_D	150	mW
Typical Thermal Resistance per leg	$R_{\theta JA}^*$	667	$^{\circ}\text{C}/\text{W}$
Thermal resistance junction to Lead	$R_{\theta JL}^*$	658	$^{\circ}\text{C}/\text{W}$
Thermal resistance junction to case	$R_{\theta Jc}^*$	421	$^{\circ}\text{C}/\text{W}$
Operating Junction Temperature Range	T_J	40 to +125	$^{\circ}\text{C}$
Storage Temperature Range	T_{STG}	40 to +150	$^{\circ}\text{C}$

* Part mounted on FR-4 board with recommended pad layout

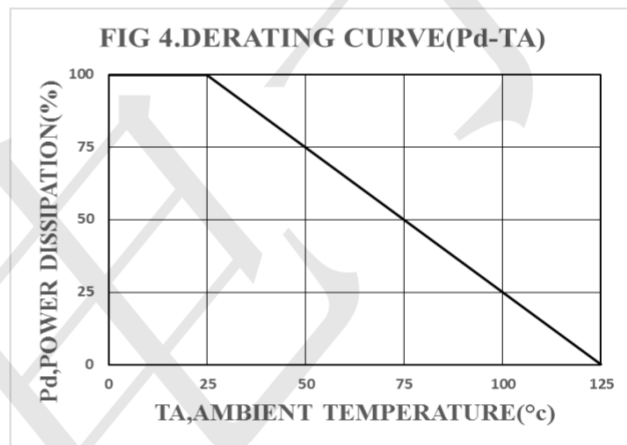
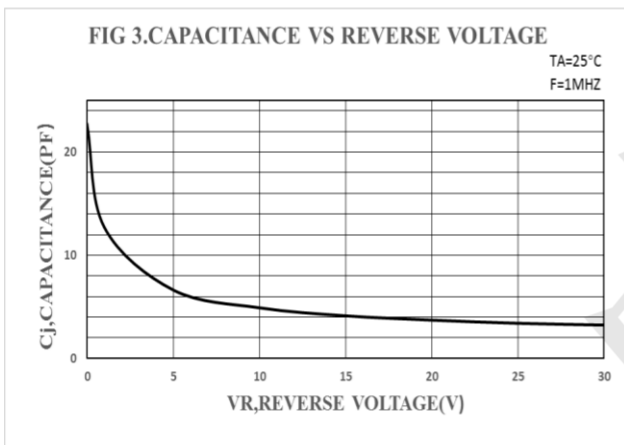
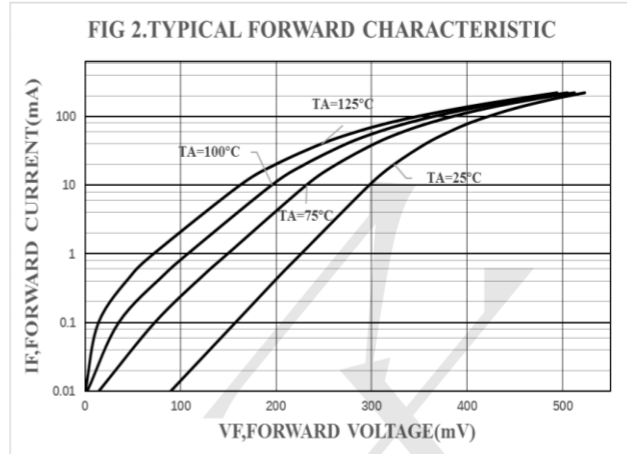
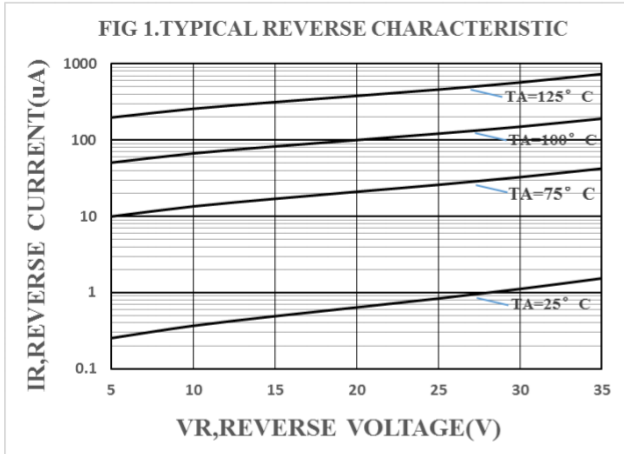
Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

Parameter	Symbol	Test conditions	Min.	Typ.	Max.	Units
Forward Voltage	V_F^*	$I_F=10\text{mA}$	-	-	0.39	V
		$I_F=200\text{mA}$	-	-	0.55	V
Reverse Current	I_R^{**}	$V_R=10\text{V}$	-	-	1	μA
		$V_R=40\text{V}$	-	-	10	μA
Capacitance between terminals	C_T	$V_R=0\text{V}, f=1\text{MHz}$	-	22	50	pF

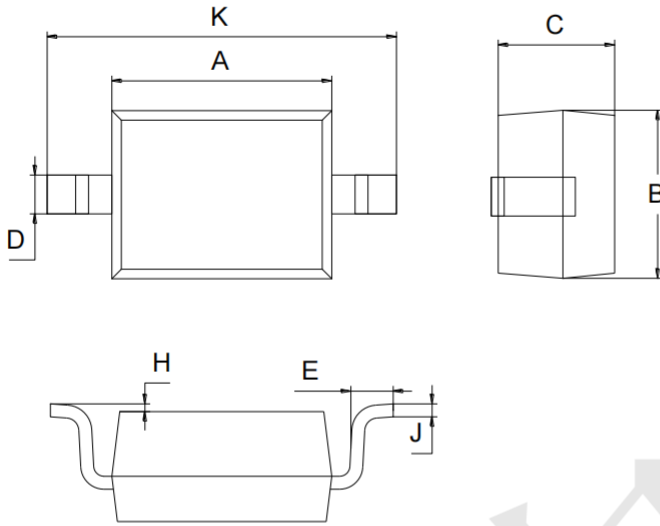
*Pulse width $\leq 380\ \mu\text{s}$, Duty cycle $< 2\%$

**pulse test , $t_p \leq 5\text{ms}$

Typical Electrical Characteristic Curves



Outline Drawing - SOD323



SOD-323		
Dim	Min	Max
A	1.60	1.80
B	1.20	1.40
C	0.80	0.90
D	0.25	0.35
E	0.22	0.42
H	0.02	0.10
J	0.05	0.15
K	2.55	2.75

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 [TECH PUBLIC](#) manufacturer:

Other Similar products are found below :

[MA4E2039](#) [MMBD301M3T5G](#) [HFA35HB60C](#) [RB160M-50TR](#) [D83C](#) [BAS16E6433HTMA1](#) [BAS 3010S-02LRH](#) [E6327](#) [BAT 54-02LRH](#)
[E6327](#) [NRVBAF360T3G](#) [NSR05F40QNXT5G](#) [NTE555](#) [JANS1N6640](#) [SS3003CH-TL-E](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM](#)
[MBRA140TRPBF](#) [MBRB30H30CT-1G](#) [BAT 15-04R](#) [E6152](#) [JANTX1N5712-1](#) [DMJ3940-000](#) [SB007-03C-TB-E](#) [NRVBB20100CTT4G](#)
[NRVBM120LT1G](#) [NTSB30U100CT-1G](#) [CRG04\(T5L,TEMQ\)](#) [ACDBA1100LR-HF](#) [ACDBA1200-HF](#) [ACDBA240-HF](#) [ACDBA3100-HF](#)
[CDBQC0530L-HF](#) [ACDBA260LR-HF](#) [ACDBA1100-HF](#) [10BQ015-M3/5BT](#) [NRVBM120ET1G](#) [VSSB410S-M3/5BT](#) [1N5819T-G](#)
[PDS1040Q-13](#) [B160BQ-13-F](#) [SDM05U20CSP-7](#) [BAS 70-07](#) [E6433](#) [B140S1F-7](#) [HSM560Je3/TR13](#) [DDB2265-000](#) [ZHCS506QTA](#)
[HSM190Je3/TR13](#) [B330AF-13](#) [ACDBUC0230-HF](#) [SDM1U100S1F-7](#) [MBR10200CTF-G1](#) [CDLL5712](#)