



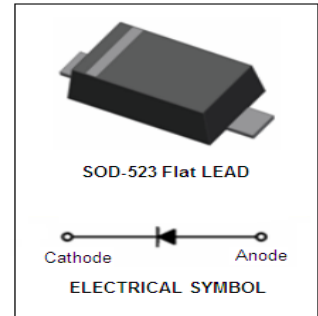
SLS SEMICONDUCTOR (SHENZHEN) CO.,LTD.

SOD-523 封装二极管/SOD-523 Plastic-Encapsulate Diodes

BAS16X (Switching Diode)

特点/Features :

- High-speed switching applications ;
- Lead Finish:100% matte Sn(Tin) ;
- Qualified Reflow Temperature:260°C ;
- Extremely Small Sod-523 Package;



印章/ Marking: A6

极限参数/Absolute maximum ratings(Ta=25°C)

参数/Parameter	符号/ Symbol	数值/Value	单位/Unit
DC Reverse Voltage	V_R	75	V
Forward Current	I_F	200	mA
Peak Forward Surge Current	I_{FSM}	500	mA
Total Device Dissipation	P_D	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	833	°C/mW
Junction and Storage Temperature	T_j, T_{stg}	150	°C

电性能参数/Electrical characteristics (Ta=25°C)

参数/Parameter	符号	测试条件	最小值	最大值	单位
Reverse Breakdown Voltage	$V_{(BR)}$	$I_R=100 \mu A$	75		V
Forward Voltage	V_{F1}	$I_F=1mA$		715	mV
	V_{F2}	$I_F=10mA$		855	mV
	V_{F3}	$I_F=50mA$		1000	mV
	V_{F4}	$I_F=150mA$		1250	mV
Reverse Current	I_R	$V_R=75V$		1	μA
Reverse Recovery Time	t_{rr}	$I_F=I_R=50mA, R_L=50 \Omega$		6.0	nS
Diode Capacitance	C_D	$V_R=0V, f=1MHz$		2	pF
Stored Charge	Q_S	$I_F=10mA, V_R=5.0V, R_L=500 \Omega$		45	pC



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典型特性曲线图/Typical Characteristics

