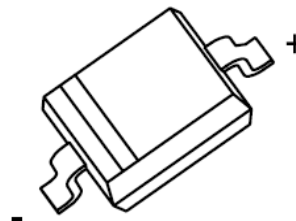


FEATURES

- Small surface mounting type
- High speed
- High reliability with high surge current handing capability



MARKING:S51



SOD-323

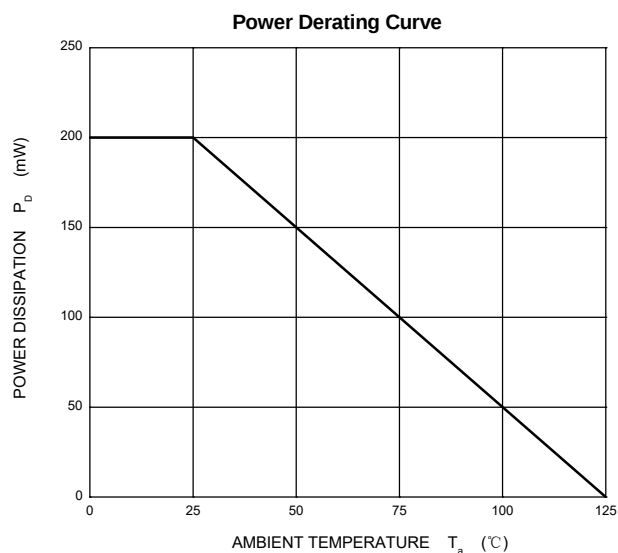
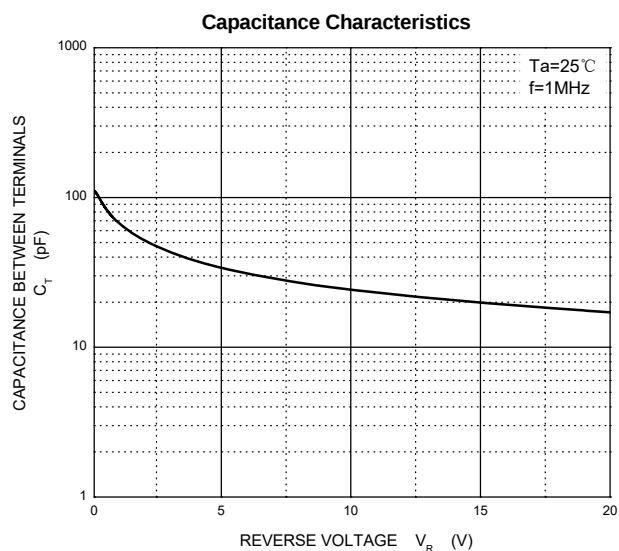
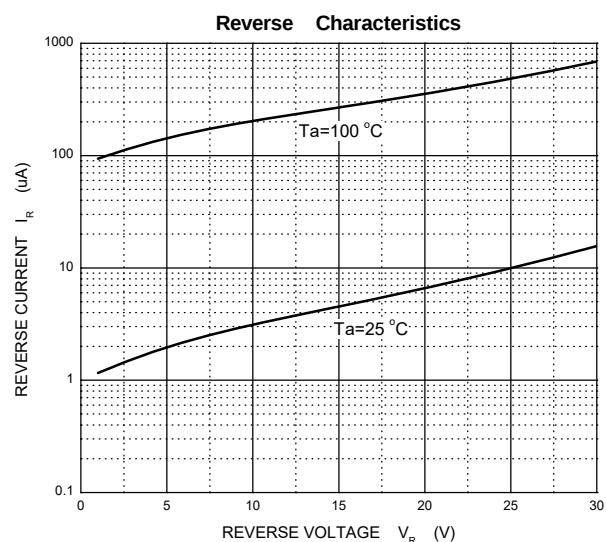
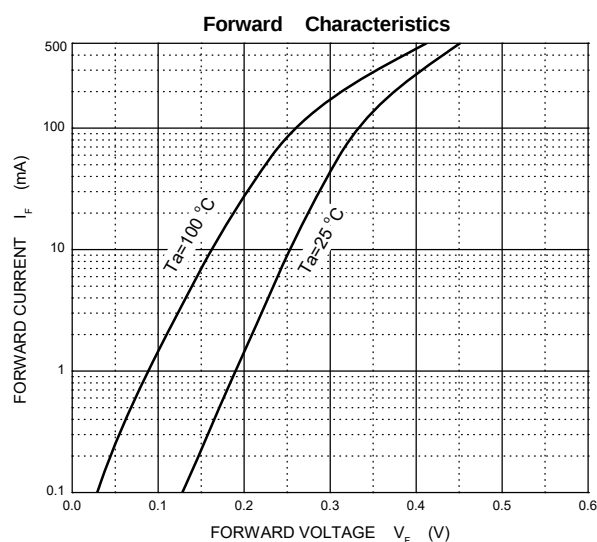
Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25°C

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V _{RM}	25	V
DC reverse voltage	V _R	20	V
Average rectified output current	I _O	300	mA
Peak forward current	I _{FM}	700	mA
Power dissipation	P _D	200	mW
Thermal resistance junction to ambient	R _{θJA}	500	°C/W
Operating Junction Temperature Range	T _j	-40 ~ +125	°C
Storage Temperature Range	T _{stg}	-55 ~ +150	°C

Electrical Ratings @T_A=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V _{F1}		0.16		V	I _F =1mA
	V _{F2}		0.22		V	I _F =10mA
	V _{F3}		0.38	0.45	V	I _F =300mA
Reverse current	I _R			50	μA	V _R =20V
Capacitance between terminals	C _T		46		pF	V _R =0V, f=1MHZ

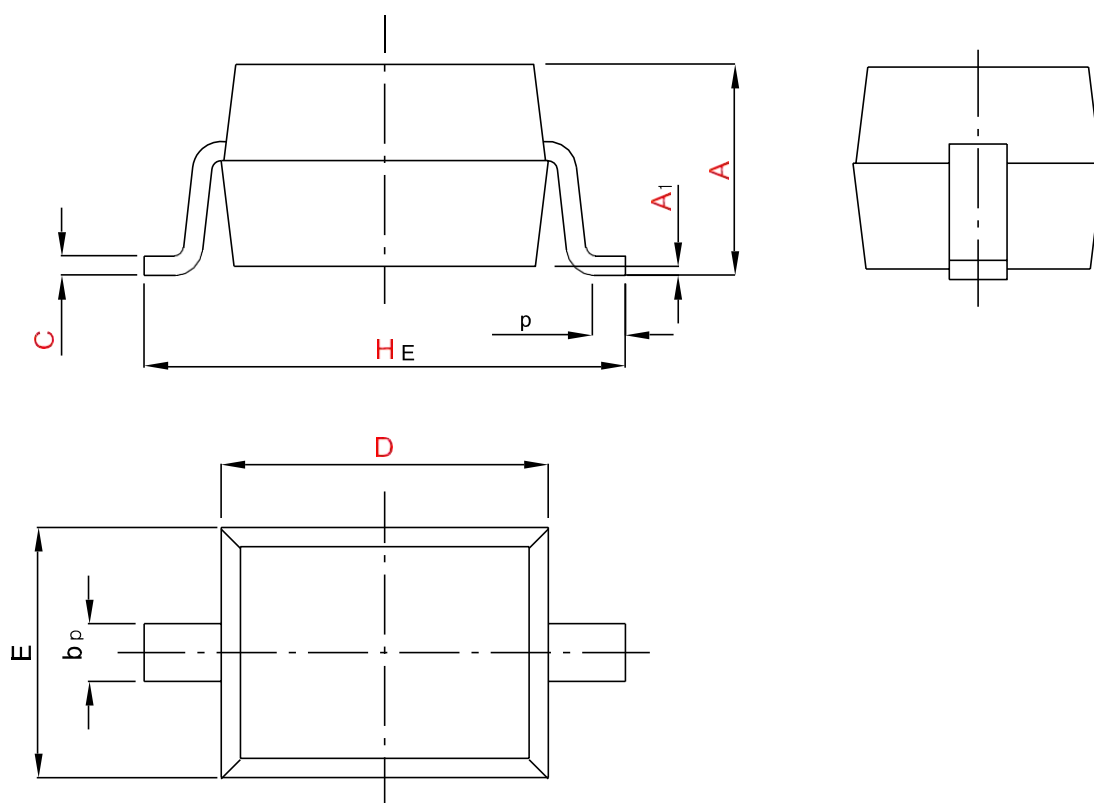
Typical Characteristics



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD323



UNIT	A	b _p	C	D	E	H _E	A ₁	L _p
mm	1.20 0.90	0.40 0.25	0.15 0.10	1.80 1.60	1.35 1.15	2.80 2.30	0.10 0.01	0.50 0.20

