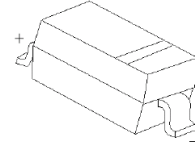




SOD-323 Plastic-Encapsulate Diodes

1SS355 FAST SWITCHING DIODE

SOD-323



FEATURES

- 1) Small surface mounting type
- 2) High speed
- 3) High reliability with high surge current handling capability

MARKING: A

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

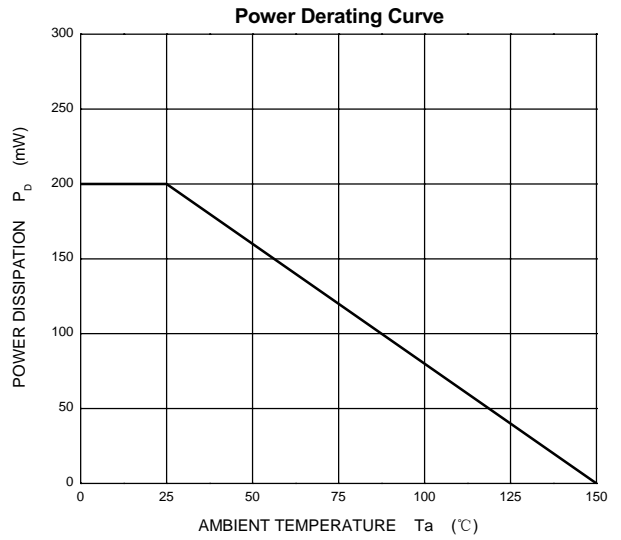
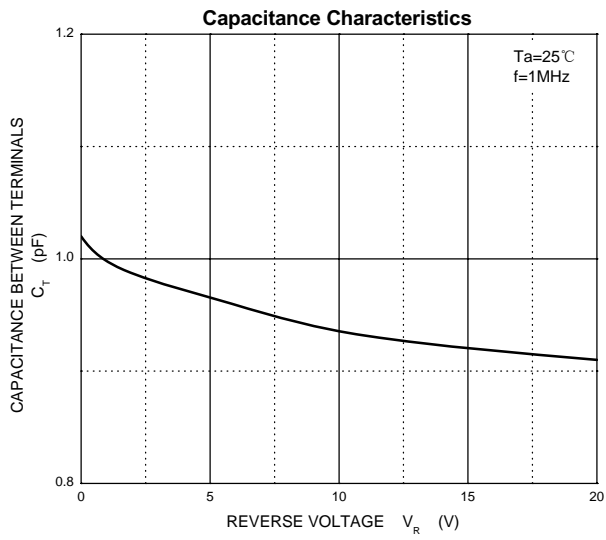
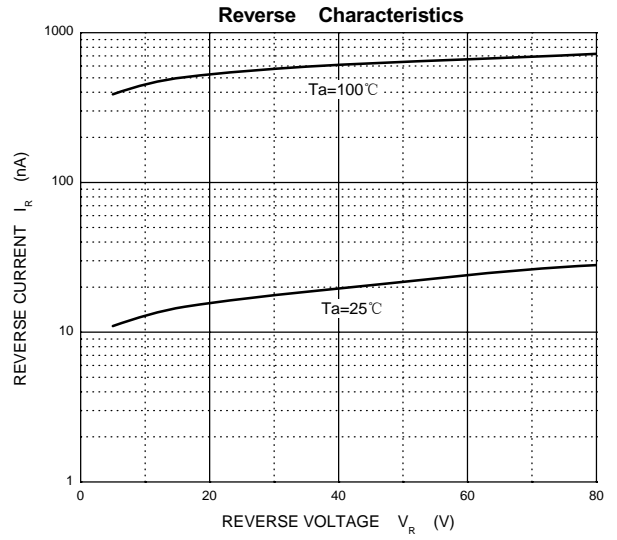
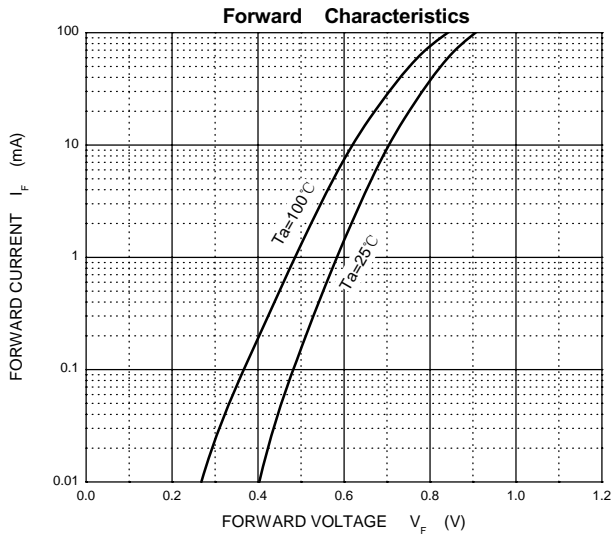
Parameter	Symbol	Limit	Unit
Non-repetitive peak reverse voltage	V_{RM}	90	V
DC blocking voltage	V_R	80	V
Peak forward current	I_{FM}	225	mA
Average rectified output current	I_O	100	mA
Surge current (@t=1s)	I_{surge}	500	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{STG}	-55~+150	°C

Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			1.2	V	$I_F=100mA$
Reverse current	I_R			0.1	μA	$V_R=80V$
Capacitance between terminals	C_T			3	pF	$V_R=0.5V, f=1MHz$
Reverse recovery time	t_{rr}			4	ns	$I_F=10mA, V_R=6V, R_L=100\Omega$

Typical Characteristics

1SS355



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