

Switching Diodes

1SS355

SOD-323



FEATURES

- 1) Small surface mounting type.
- 2) High Speed.(trr=1.2ns Typ.)
- 3) High reliability with high surge current handling capability.

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

Parameter	Symbol	Limits	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 (1s)	I _{surge}	500	mA
Junction temperature	T _J	125	°C
Storage temperature	T _{STG}	-55~+125	°C

Electrical Ratings @T_A=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 =100Ω

■ Marking

Marking	A
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Typical Characteristics

●Electrical characteristic curves (Ta=25°C)

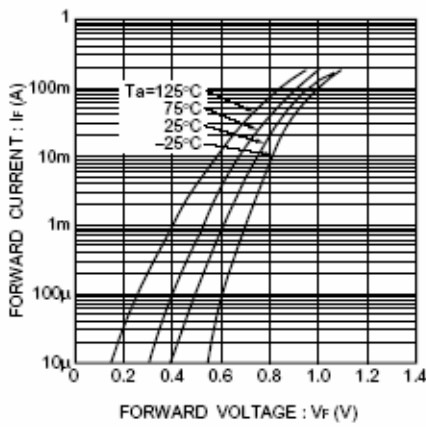


Fig.1 Forward characteristics

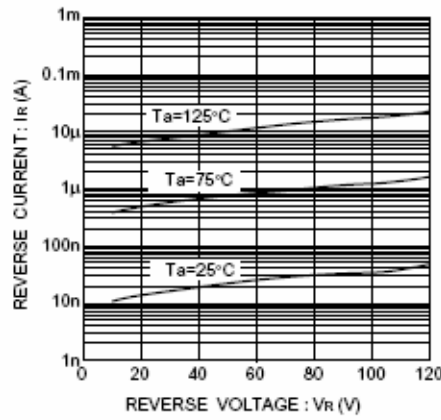


Fig.2 Reverse characteristics

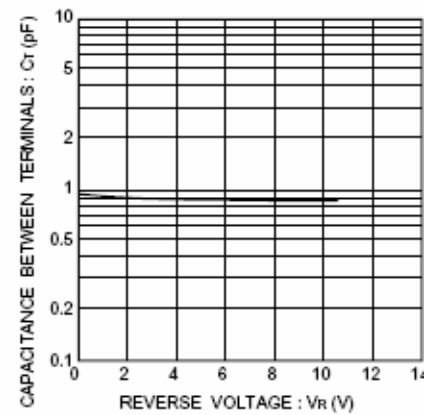


Fig.3 Capacitance between terminals characteristics

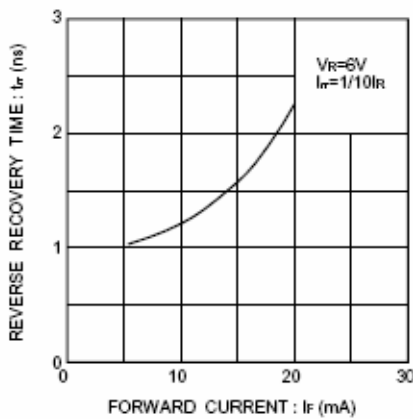


Fig.4 Reverse recovery time characteristics

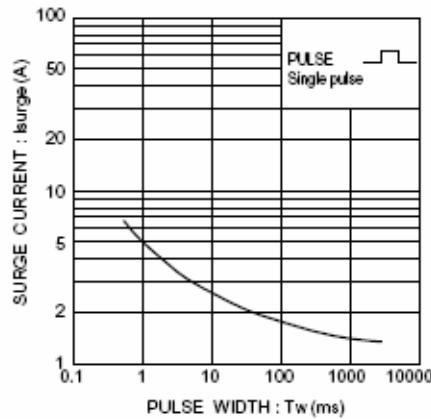


Fig.5 Surge current characteristics