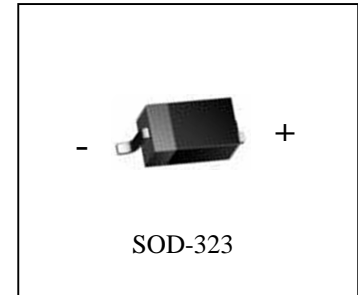


FAST SWITCHING DIODES

**1SS355**

FEATURES

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



MARKING: A

MAXIMUM RATINGS (TA=25°C unless otherwise noted)

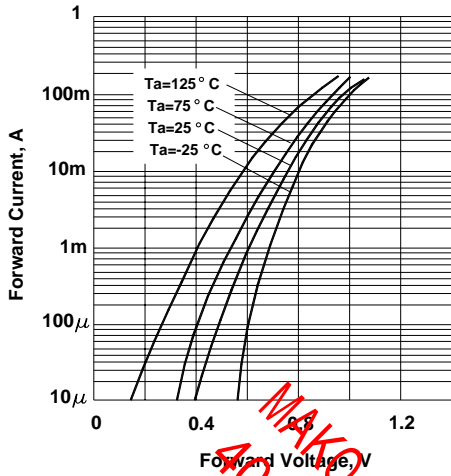
Parameter	Symbol	Value	Units
Non-Repetitive Peak reverse voltage	$V_{RM}$	90	V
DC Blocking	$V_R$	80	V
Forward Continuous Current	$I_{FM}$	225	mA
Average Rectified Output Current	$I_O$	100	mA
Surge current (1s)	$I_{SM}$	500	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{STG}$	-55-125	°C

ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

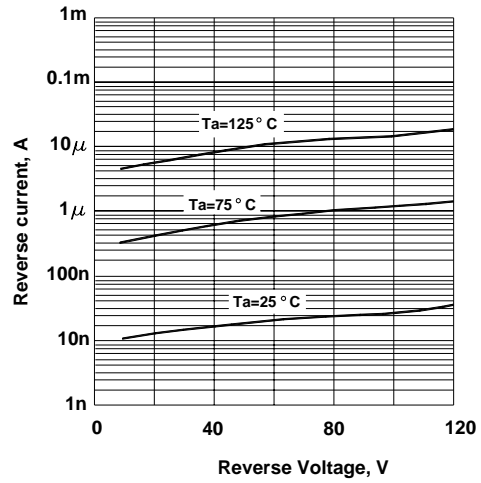
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_F$			1.2	V	$I_F=100mA$
Reverse current	$I_R$			0.1	μA	$V_R=80V$
Capacitance between terminals	$C_T$			3	pF	$V_R=0V, f=1MHz$
Reverse Recovery Time	$t_{rr}$			4	ns	$I_F=10mA, V=6V, R_L=100\Omega$

1SS355 Typical Characteristics

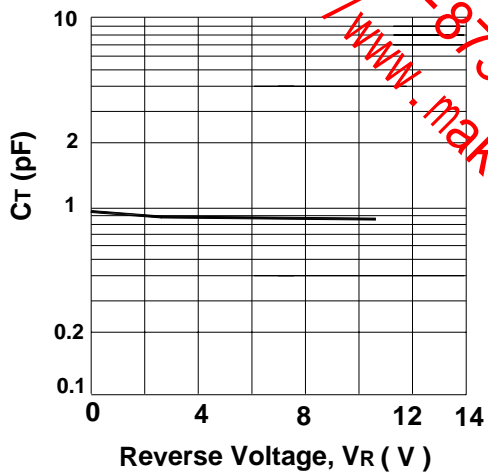
Forward Characteristics



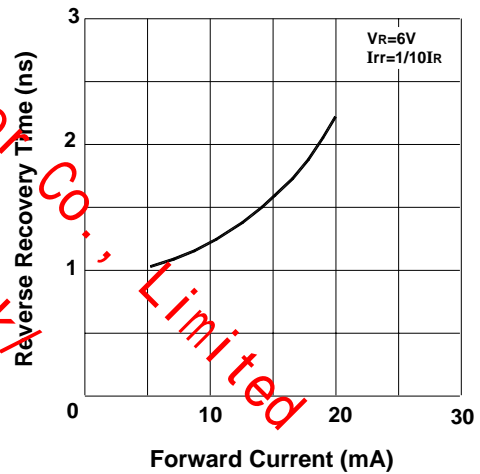
Reverse Characteristics



Capacitance between terminals characteristics



Reverse Recovery Time Characteristics



Surge Current Characteristics

