1SS3 55   FAST SWITCHING DIODES

SOD-323

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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℃

Parameter Symbol		Limits	Unit
Non-Repetitive Peak reverse voltage	V_{RM}	90	V
DC Blocking Voltage	V_R	80	V
Peak forword Current	I_{FM}	225	mA
Average Rectified Output Current	I_O	100	mA
Surge current (1s)	I_{surge}	500	mA
Junction temperature	Tj	125	℃
Storage temperature	T_{STG}	-55~+125	℃

Electrical Ratings @T_A=25℃

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

LI DE HENG ELECTRONICS   1N4148WS/BAV16WS
●**Electrical characteristic curves** (Ta=25°C)
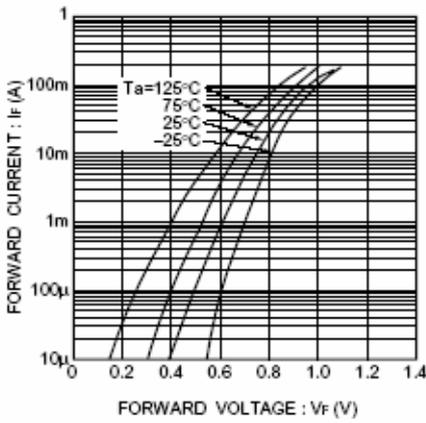
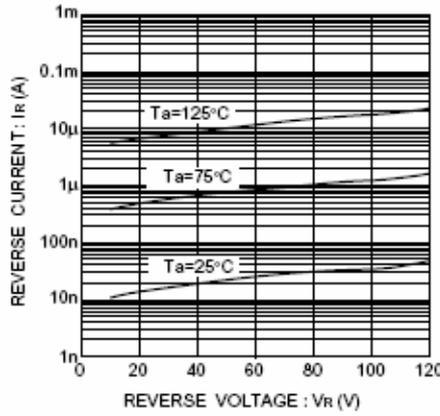Fig.1 Forward characteristics

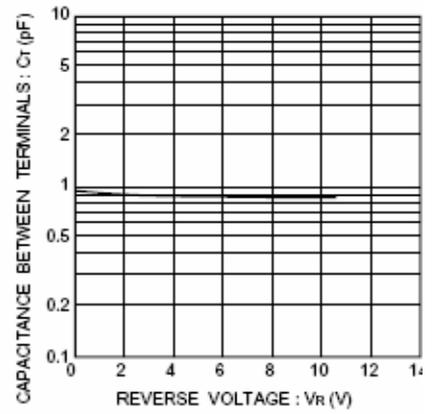Fig.2 Reverse characteristics

Fig.3 Capacitance between
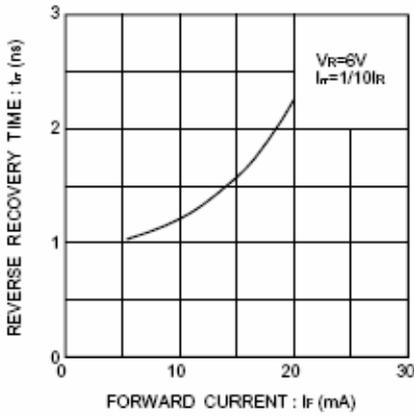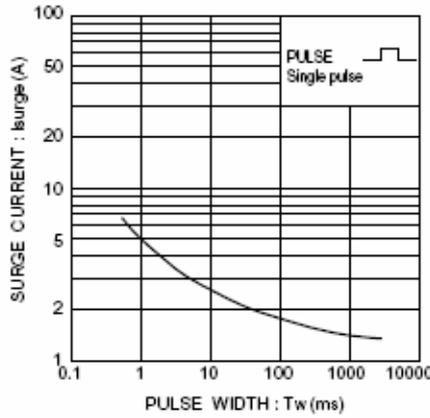   terminals characteristics

Fig.4 Reverse recovery time
          characteristics

Fig.5 Surge current characteristics