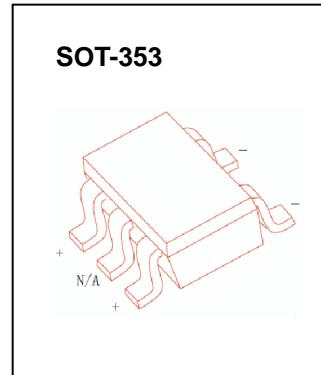


**SCHOTTKY BARRIER DIODE**
**FEATURES**

- Low current rectification
- High reliability


**MARKING: 3T**
**Maximum Ratings and Electrical Characteristics, Single Diode @ $T_A=25^\circ\text{C}$** 

Parameter	Symbol	Limits			Unit
Peak reverse voltage	$V_{RM}$	45			V
DC reverse	$V_R$	40			V
Peak forward current	$I_{FM}$	1			A
Mean rectifying current	$I_o$	0.1			A
Junction temperature	$T_j$	125			$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40~+125			$^\circ\text{C}$

**Electrical Ratings @ $T_A=25^\circ\text{C}$** 

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$			450 600	mV	$I_F=10\text{mA}$ $I_F=100\text{mA}$
Reverse current	$I_R$			1 5	$\mu\text{A}$	$V_R=10\text{V}$ $V_R=40\text{V}$
Capacitance between terminals	$C_T$		6	25	pF	$V_R=0\text{V}$ $V_R=10\text{V}, f=1\text{MHz}$

## Typical Characteristics

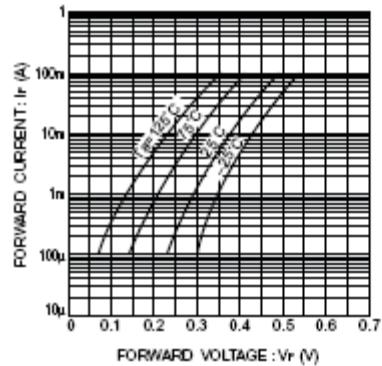


Fig.1 Foward temperature chracteristics

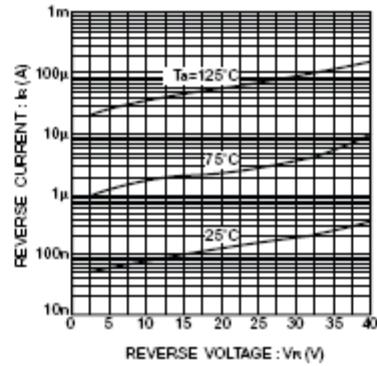


Fig.2 Reverse temperature chracteristics

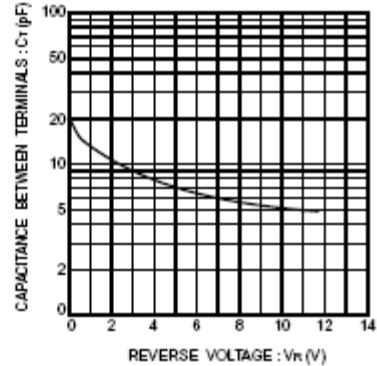


Fig.3 Capacitance between terminals chracteristics

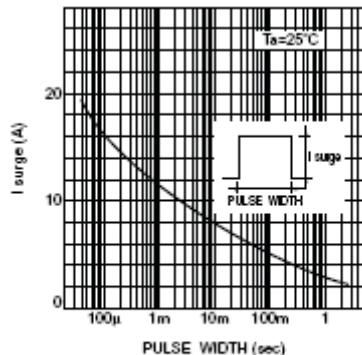


Fig.4 Surge current chracteristics