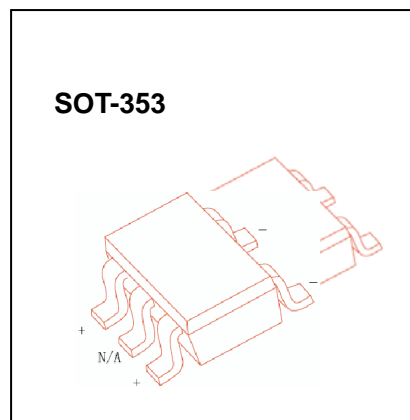


# SCHOTTKY BARRIER DIODE



## FEATURES

- Low current rectification
- High reliability

## MARKING: 3U

### Maximum Ratings and Electrical Characteristics, Single Diode @ $T_A=25^{\circ}\text{C}$

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	30	V
DC reverse	$V_R$	30	V
Peak forward surge current	$I_{FSM}$	1	A
Mean rectifying current	$I_O$	0.2	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	$V_F$			0.28	V	$I_F=1\text{mA}$
				0.33		$I_F=10\text{mA}$
				0.43		$I_F=100\text{mA}$
				0.5		$I_F=200\text{mA}$
Reverse current	$I_R$			30	$\mu\text{A}$	$V_R=10\text{V}$

## Typical Characteristics

## RB481K

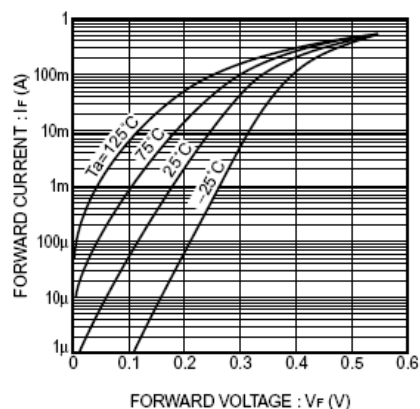


Fig. 1 Forward temperature characteristic

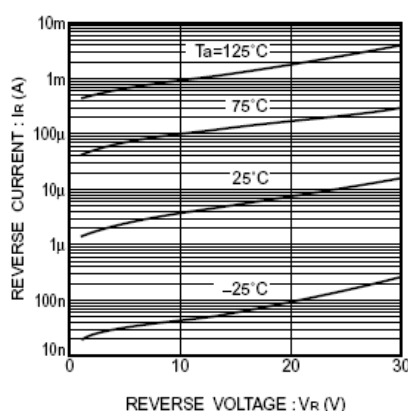


Fig. 2 Reverse temperature characteristic

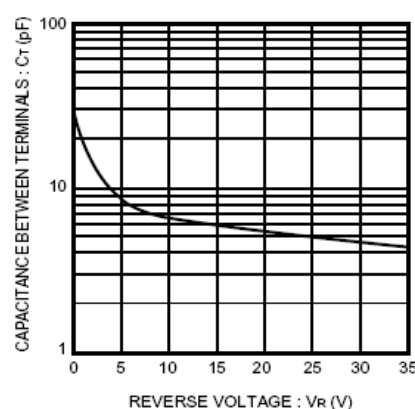


Fig. 3 Capacitance between terminals characteristic