

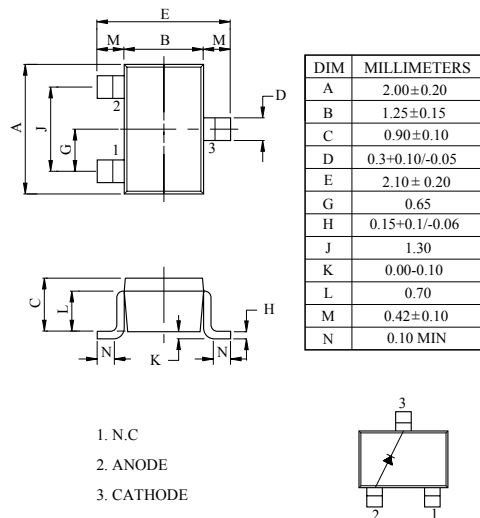
LOW VOLTAGE HIGH SPEED SWITCHING.

FEATURES

- Low Forward Voltage : $V_F=0.54V$ (Typ.).
- Low Reverse Current : $I_R=5\mu A$ (Max.).
- Small Package : USM.

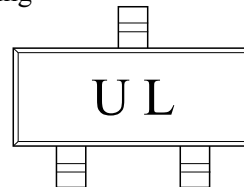
MAXIMUM RATING ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	V_{RM}	45	V
Reverse Voltage	V_R	40	V
Maximum (Peak) Forward Current	I_{FM}	300	mA
Average Forward Current	I_O	100	mA
Power Dissipation	P_D	100	mW
Junction Temperature	T_j	125	$^\circ C$
Storage Temperature Range	T_{stg}	-55 ~ 125	$^\circ C$



USM

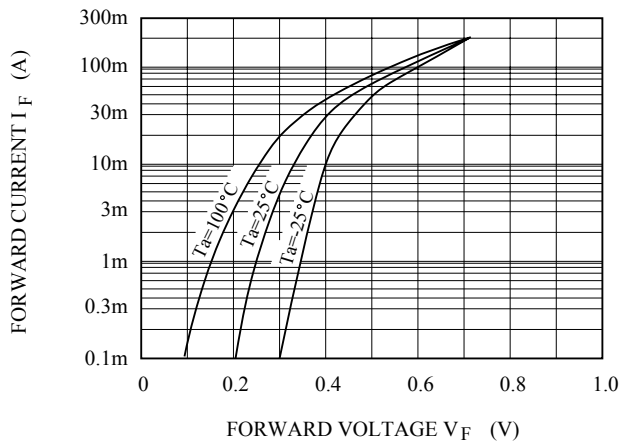
Marking



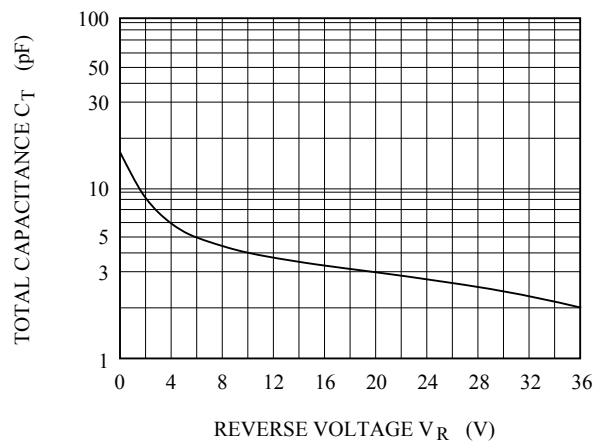
ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_F(1)$	$I_F=1mA$	-	0.28	-	V
	$V_F(2)$	$I_F=10mA$	-	0.36	-	
	$V_F(3)$	$I_F=100mA$	-	0.54	0.60	
Reverse Current	I_R	$V_R=40V$	-	-	5	μA
Total Capacitance	C_T	$V_R=0, f=1MHz$	-	18	25	pF

$I_F - V_F$



$C_T - V_R$



$I_R - V_R$

