

LOW VOLTAGE HIGH SPEED SWITCHING.

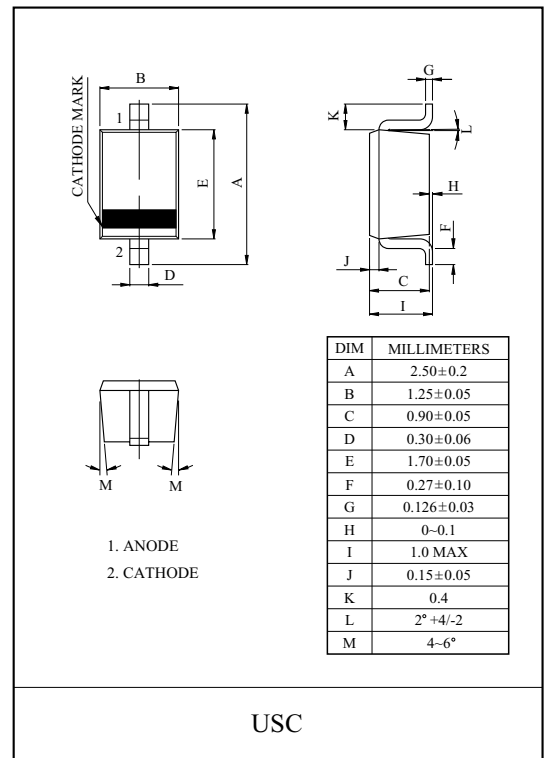
### FEATURES

- Low Forward Voltage :  $V_{F(3)}=0.43V(\text{Typ.})$
- Low Reverse Current :  $I_R=5\mu A(\text{Max.})$
- Small Package : USC.

### MAXIMUM RATING (Ta=25 )

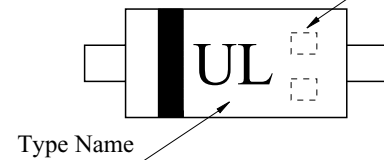
CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	$V_{RM}$	45	V
Reverse Voltage	$V_R$	40	V
Maximum (Peak) Forward Current	$I_{FM}$	200	mA
Average Forward Current	$I_O$	100	mA
Surge Current (10ms)	$I_{FSM}$	1	A
Power Dissipation	$P_D$	200*	mW
Junction Temperature	$T_j$	125	
Storage Temperature Range	$T_{stg}$	-55 125	

\* : Mounted on a glass epoxy circuit board of 20 × 20mm,  
pad dimension of 4 × 4mm.



Marking

Lot No.

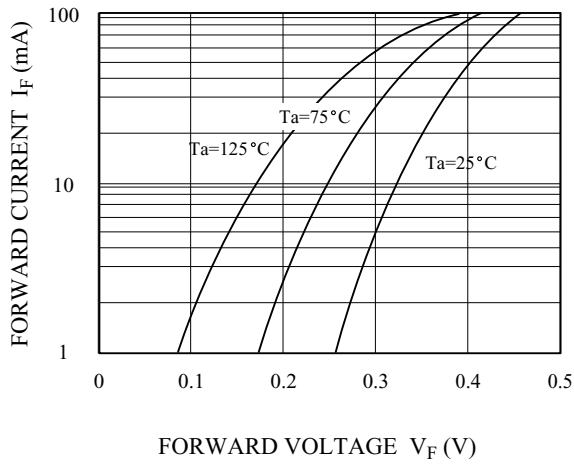


### ELECTRICAL CHARACTERISTICS (Ta=25 )

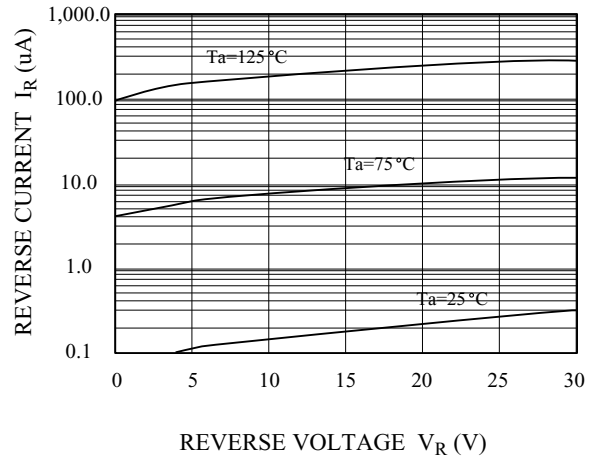
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_{F(1)}$	$I_F=1mA$	-	0.24	-	V
	$V_{F(2)}$	$I_F=10mA$	-	0.31	-	
	$V_{F(3)}$	$I_F=100mA$	-	0.43	0.55	
Reverse Current	$I_R$	$V_R=40V$	-	-	5	$\mu A$
Total Capacitance	$C_T$	$V_R=0V, f=1MHz$	-	30	-	pF

# KDR357

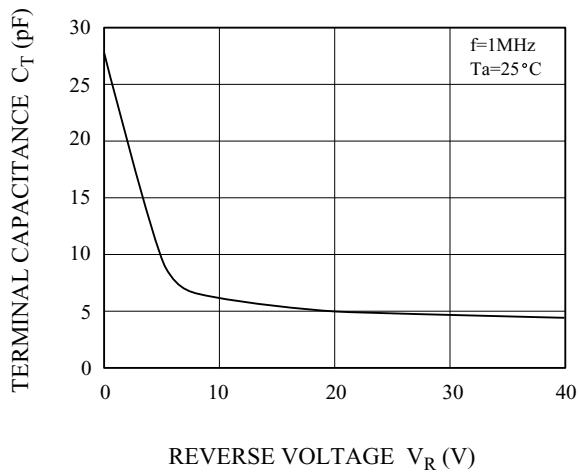
$I_F - V_F$



$I_R - V_R$



$C_T - V_R$



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