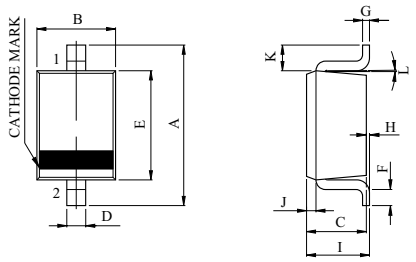
KDR357

SCHOTTKY BARRIER TYPE DIODE

LOW VOLTAGE HIGH SPEED SWITCHING.

FEATURES

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



DIM	MILLIMETERS
A	2.50±0.2
B	1.25±0.05
C	0.90±0.05
D	0.30±0.06
E	1.70±0.05
F	0.27±0.10
G	0.126±0.03
H	0~0.1
I	1.0 MAX
J	0.15±0.05
K	0.4
L	2° +4/-2
M	4~6°

1. ANODE
2. CATHODE

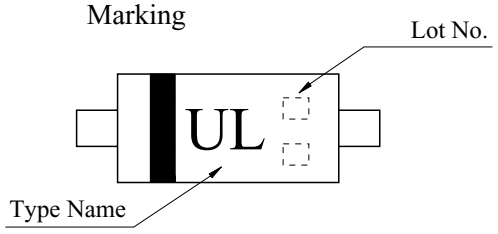
USC

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.

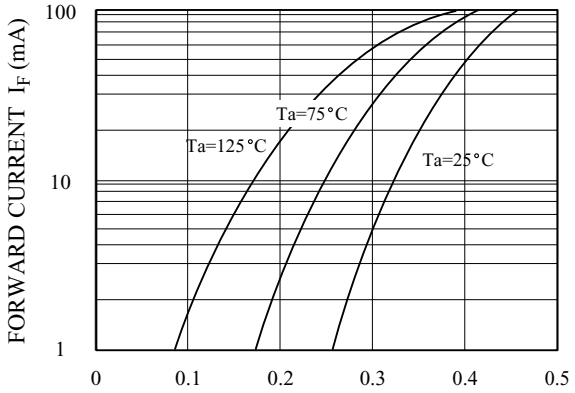
Marking



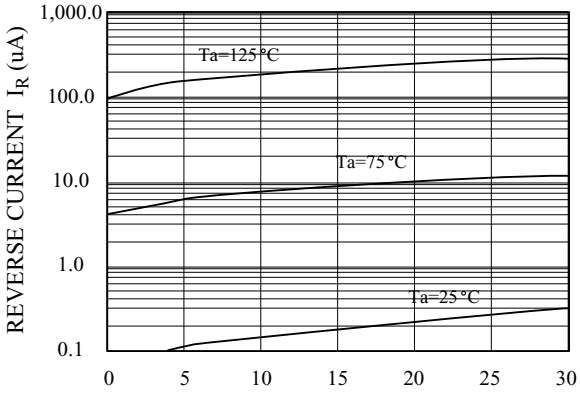
ELECTRICAL CHARACTERISTICS (Ta=25℃)

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	μA
Total Capacitance	C_T	V_R=0V, f=1MHz	-	30	-	pF

I_F - V_F



I_R - V_R



C_T - V_R