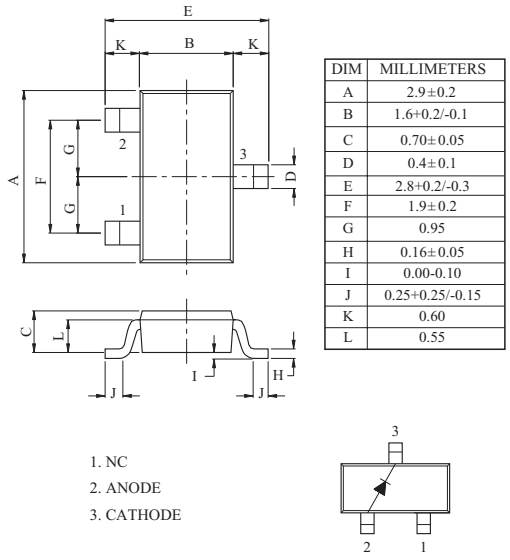
KDR521T

SCHOTTKY BARRIER TYPE DIODE

HIGH FREQUENCY RECTIFICATION.
SWITCHING REGULATORS, CONVERTERS, CHOPPERS.

FEATURES

- Low Forward Voltage : V_F max=0.45V.
- Low Leakage Current : I_R max=200μA.



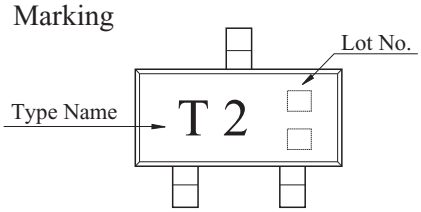
DIM	MILLIMETERS
A	2.9±0.2
B	1.6+0.2/-0.1
C	0.70±0.05
D	0.4±0.1
E	2.8+0.2/-0.3
F	1.9±0.2
G	0.95
H	0.16±0.05
I	0.00-0.10
J	0.25+0.25/-0.15
K	0.60
L	0.55

TSM

MAXIMUM RATING (Ta=25℃)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	25	V
Reverse Voltage	V_R	20	V
Average Forward Current	I_O	1.0	A
Non-Repetitive Peak Surge Current	I_{FSM}	3	A
Junction Temperature	T_j	125	℃
Storage Temperature Range	T_{stg}	-55～125	℃

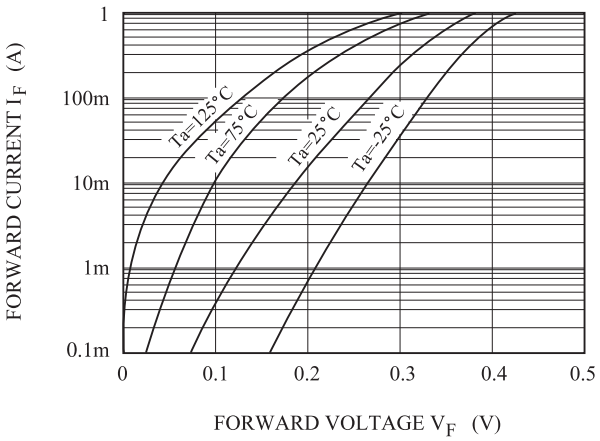
Marking



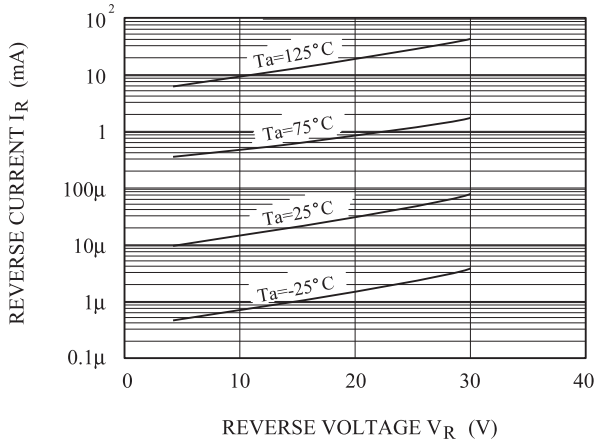
ELECTRICAL CHARACTERISTICS (Ta=25℃)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	V_F	I_F=1.0A	-	0.4	0.45	V
Reverse Current	I_R	V_R=20V	-	-	200	μA

I_F - V_F



I_R - V_R



C_T - V_R

