

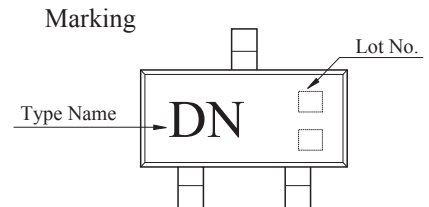
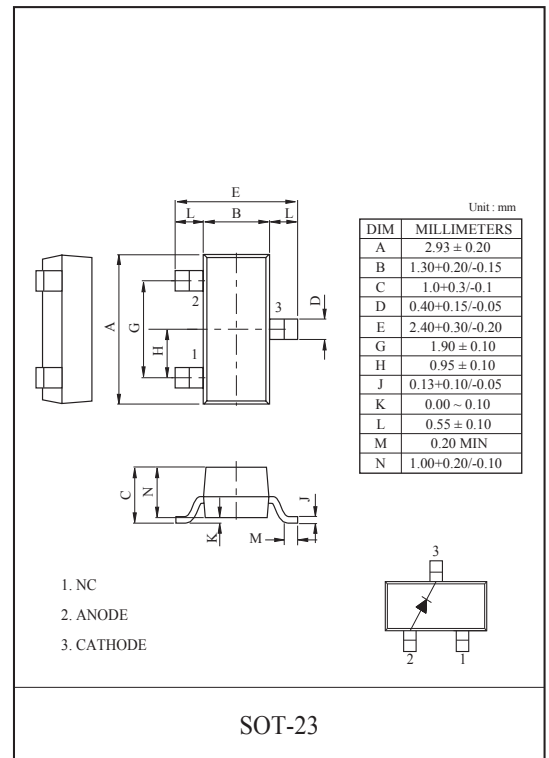
**For High frequency rectification.  
Switching Power Supply.**

### FEATURES

- Low Forward Voltage :  $V_F \text{ max}=0.5\text{V}$ .
- $I_O=750\text{mA}$  recification possible.
- Suffix **U** : Qualified to AEC-Q101.  
ex) KDR407S-RTK/**HU**
- Suffix **T** : Package height (C size : 1.1mm Max.)  
ex) KDR407S-RTK/**HT**
- Suffix **TU** : Package height (C size : 1.1mm Max.) and Qualified to AEC-Q101.  
ex) KDR407S-RTK/**HTU**

### MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	40	V
Reverse Voltage	$V_R$	40	V
Average Forward Current	$I_O$	0.75	A
Non-repetitive peak surge current	$I_{FSM}$	5	A
Junction Temperature	$T_j$	125	°C
Storage Temperature	$T_{stg}$	-55 ~ 125	°C

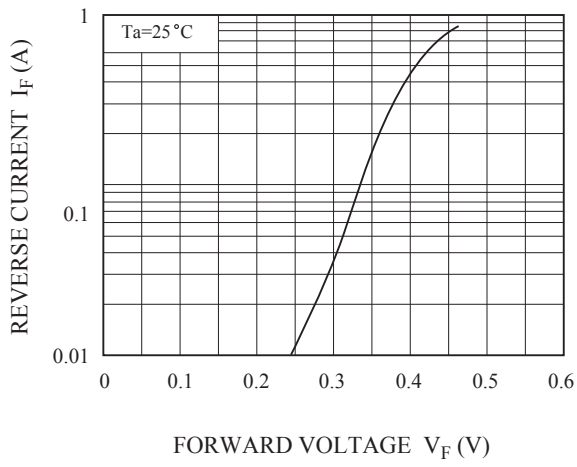


### ELECTRICAL CHARACTERISTICS (Ta=25°C)

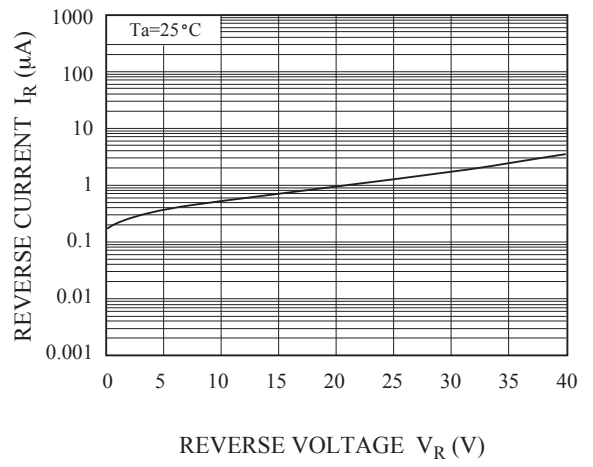
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R=1\text{mA}$	40	-	-	V
Forward Voltage	$V_F$	$I_F=0.75\text{A}$	-	-	0.5	V
Reverse Current	$I_R$	$V_R=40\text{V}$	-	-	10	μA

# KDR407S

$I_F - V_F$



$I_R - V_R$



$C_T - V_R$

