

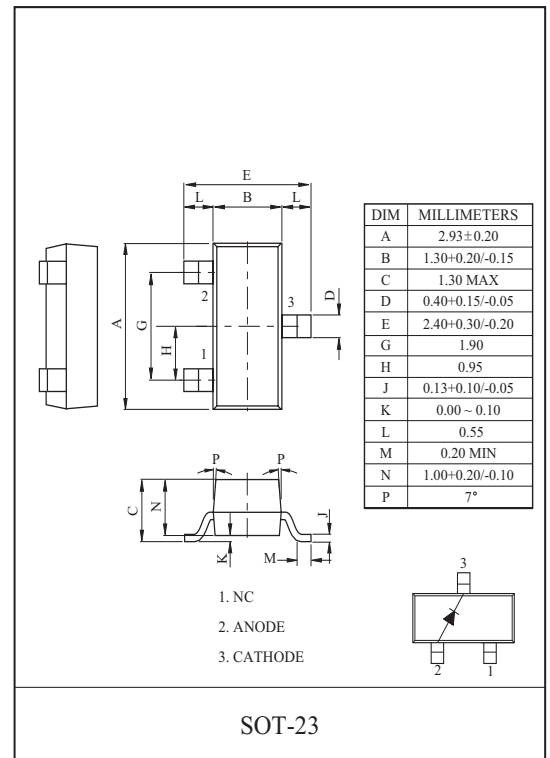
High frequency rectification.
Switching power supply.

FEATURES

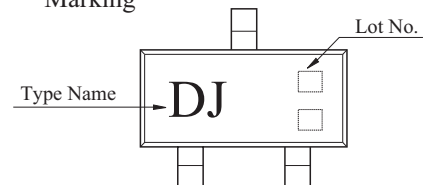
- Low Forward Voltage : $V_F \text{ max}=0.55\text{V}$.
- $I_O=500\text{mA}$ recification possible.
- Suffix **U** : Qualified to AEC-Q101.
ex) KDR400S-RTK/H**U**

MAXIMUM RATING (Ta=25)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	40	V
Reverse Voltage	V_R	40	V
Average Forward Current	I_O	0.5	A
Non-repetitive peak surge current	I_{FSM}	3	A
Junction Temperature	T_j	125	
Storage Temperature	T_{stg}	-55 125	



Marking

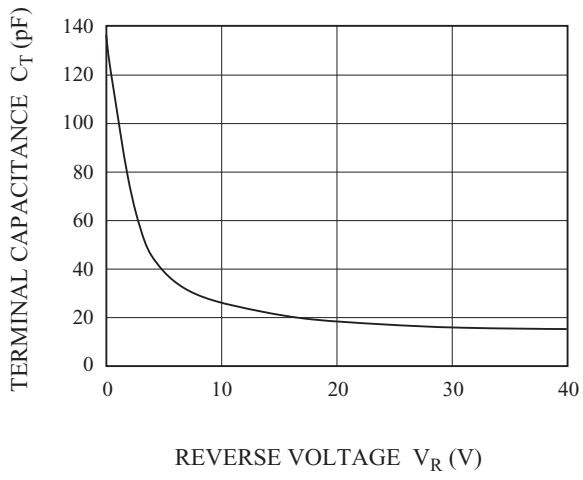


ELECTRICAL CHARACTERISTICS (Ta=25)

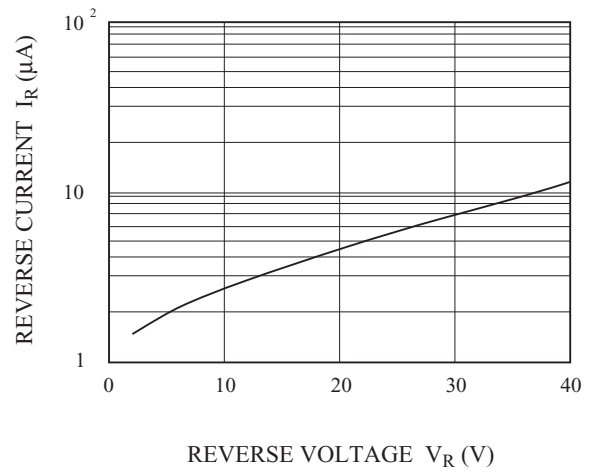
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	V_R	$I_R=1\text{mA}$	40	-	-	V
Forward Voltage	V_F	$I_F=0.5\text{A}$	-	0.45	0.55	V
Reverse Current	I_{R1}	$V_R=10\text{V}$	-	-	30	μA
	I_{R2}	$V_R=25\text{V}$	-	8	50	
Total Capacitance	C_{T1}	$V_R=0\text{V}, f=1\text{MHz}$	-	132	-	pF
	C_{T2}	$V_R=10\text{V}, f=1\text{MHz}$	-	25	-	

KDR400S

$C_T - V_R$



$I_R - V_R$



$I_F - V_F$

