

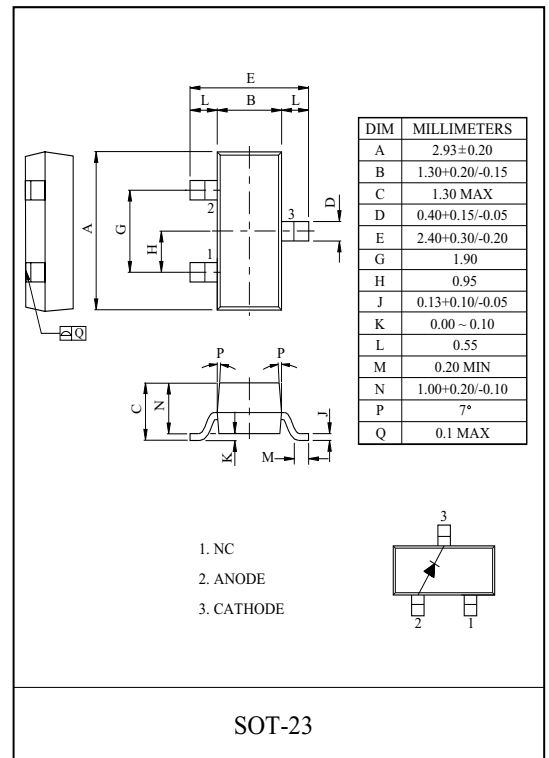
High frequency rectification.  
Switching power supply.

### FEATURES

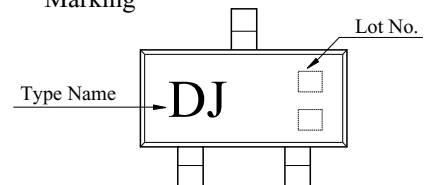
- Low Forward Voltage :  $V_F \text{ max}=0.55\text{V}$ .
- $I_O=500\text{mA}$  recification possible.

### 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

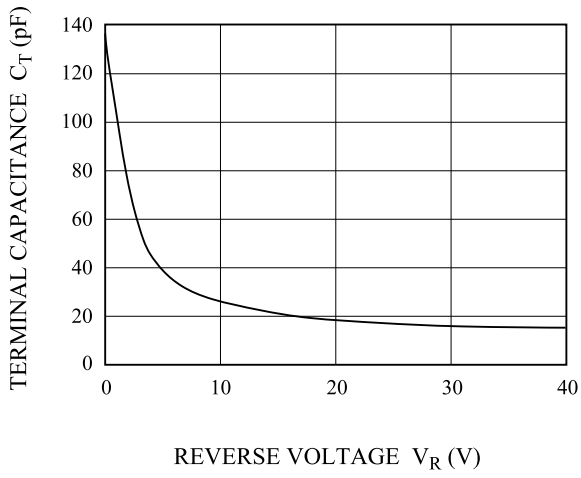


### ELECTRICAL CHARACTERISTICS (Ta=25 )

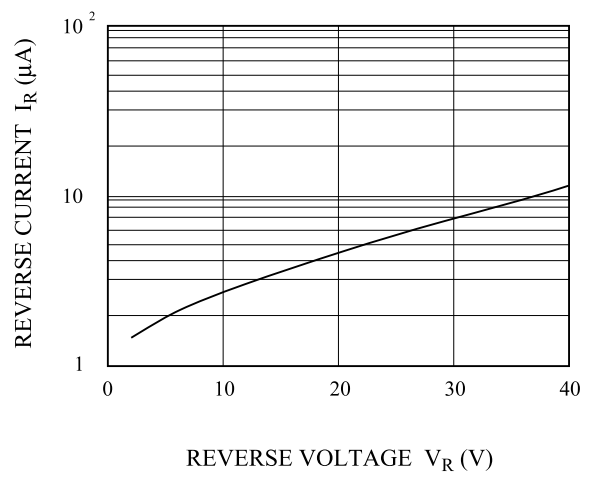
CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R=1\text{mA}$	40	-	-	V
Forward Voltage	$V_F$	$I_F=0.5\text{A}$	-	0.45	0.55	V
Reverse Current	$I_{R1}$	$V_R=10\text{V}$	-	-	30	$\mu\text{A}$
	$I_{R2}$	$V_R=25\text{V}$	-	8	50	
Total Capacitance	$C_{T1}$	$V_R=0\text{V}, f=1\text{MHz}$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

# KDR400S

$C_T - V_R$



$I_R - V_R$



$I_F - V_F$

