

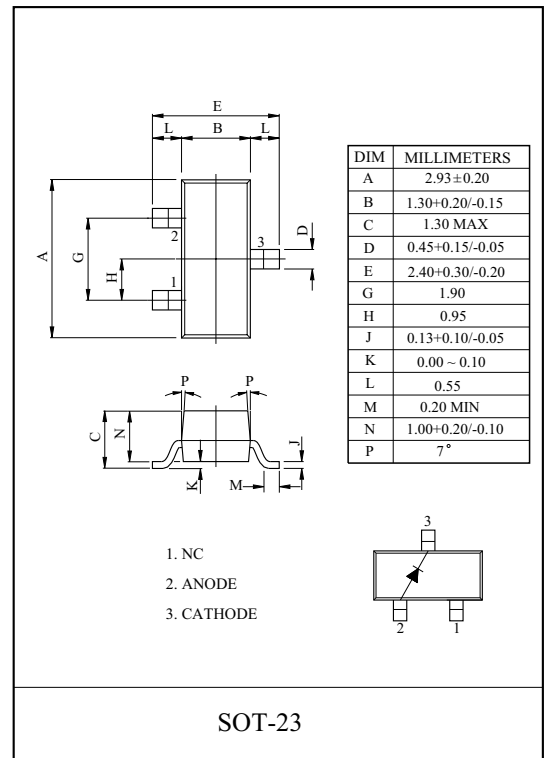
High frequency rectification  
(Switching regulators, converters, choppers)

### FEATURES

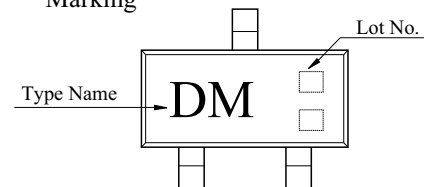
- Low Forward Voltage :  $V_F \text{ max}=0.55\text{V}$ .
- Low Leakage Current :  $I_R \text{ max}=20\mu\text{A}$ .

### MAXIMUM RATING (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	$V_{RRM}$	50	V
Reverse Voltage	$V_R$	50	V
Average Forward Current	$I_O$	0.5	A
Non-repetitive Peak Surge Current	$I_{FSM}$	5	A
Junction Temperature	$T_j$	125	°C
Storage Temperature	$T_{stg}$	-55 ~ 125	°C



### Marking



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

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Voltage	$V_R$	$I_R=200\mu\text{A}$	50	-	-	V
Forward Voltage	$V_F$	$I_F=0.5\text{A}$	-	-	0.55	V
Reverse Current	$I_R$	$V_R=25\text{V}$	-	-	20	$\mu\text{A}$
Total Capacitance	$C_T$	$V_R=10\text{V}, f=1\text{MHz}$	-	22	-	pF

# KDR505S

