

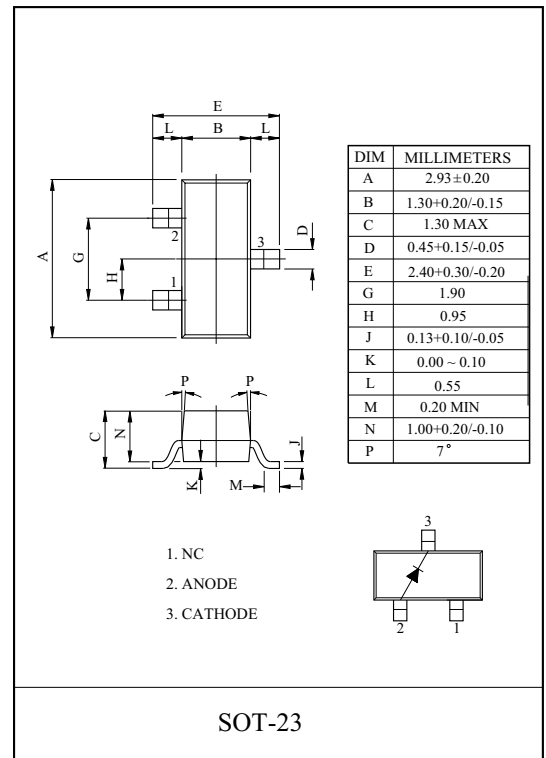
High frequency rectification
(Switching regulators, converters, choppers)

FEATURES

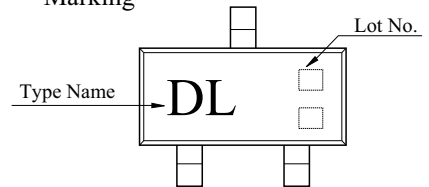
- Low Forward Voltage : $V_F \text{ max}=0.55\text{V}$.
- Low Leakage Current : $I_R \text{ max}=10\mu\text{A}$.

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 | 0.1 | A |
| Non-repetitive Peak Surge Current | I_{FSM} | 2 | 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 | $I_R=50\mu\text{A}$ | 50 | - | - | V |
| Forward Voltage | V_F | $I_F=0.1\text{A}$ | - | - | 0.55 | V |
| Reverse Current | I_R | $V_R=25\text{V}$ | - | - | 10 | μA |
| Total Capacitance | C_T | $V_R=10\text{V}, f=1\text{MHz}$ | - | 7.7 | - | pF |

KDR105S

