

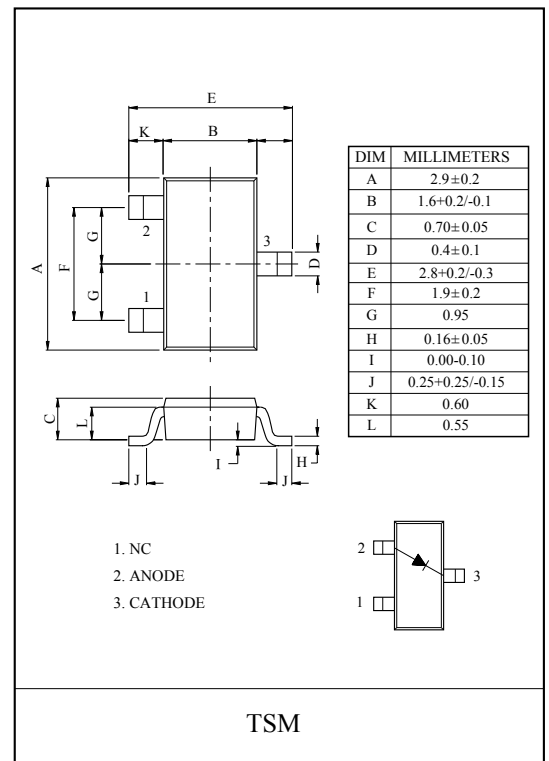
HIGH FREQUENCY RECTIFICATION.  
SWITCHING REGULATORS, CONVERTERS, CHOPPERS.

#### FEATURES

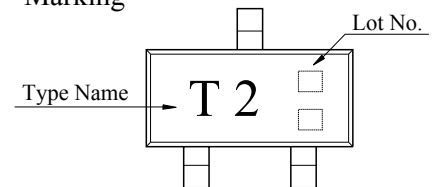
- Low Forward Voltage :  $V_F \text{ max}=0.45\text{V}$ .
- Low Leakage Current :  $I_R \text{ max}=200\mu\text{A}$ .

#### MAXIMUM RATING (Ta=25°C)

| CHARACTERISTIC                    | SYMBOL    | RATING    | UNIT |
|-----------------------------------|-----------|-----------|------|
| Repetitive Peak Reverse Voltage   | $V_{RRM}$ | 25        | V    |
| Reverse Voltage                   | $V_R$     | 20        | V    |
| Average Forward Current           | $I_O$     | 1.0       | A    |
| Non-Repetitive Peak Surge Current | $I_{FSM}$ | 3         | A    |
| Junction Temperature              | $T_j$     | 125       | °C   |
| Storage Temperature Range         | $T_{stg}$ | -55 ~ 125 | °C   |



#### Marking



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

| CHARACTERISTIC  | SYMBOL | TEST CONDITION    | MIN. | TYP. | MAX. | UNIT          |
|-----------------|--------|-------------------|------|------|------|---------------|
| Forward Voltage | $V_F$  | $I_F=1.0\text{A}$ | -    | 0.4  | 0.45 | V             |
| Reverse Current | $I_R$  | $V_R=20\text{V}$  | -    | -    | 200  | $\mu\text{A}$ |

# KDR521T

