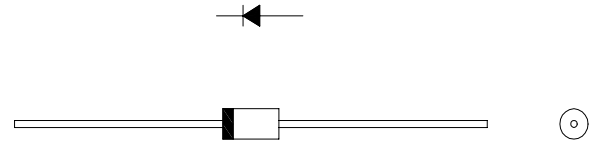


# DIODE Type : 20E4

OUTLINE DRAWING

## FEATURES

- \* Miniature Size
- \* Low Forward Voltage drop
- \* Low Reverse Leakage Current
- \* High Surge Capability
- \* 52mm Inside Tape Spacing Package Available



## Maximum Ratings

Approx Net Weight:0.38g

| Rating                               | Symbol       | 20E4          |   |                                    | Unit        |
|--------------------------------------|--------------|---------------|---|------------------------------------|-------------|
| Repetitive Peak Reverse Voltage      | $V_{RRM}$    | 400           |   |                                    | V           |
| Non-repetitive Peak Reverse Voltage  | $V_{RSM}$    | 600           |   |                                    | V           |
| Average Rectified Output Current     | $I_O$        | 1.3           | $T_a=33^{\circ}C$ *1                        | 50Hz Half Sine Wave Resistive Load | A           |
|                                      |              | 1.7           | $T_a=43^{\circ}C$ *2                        |                                    |             |
| RMS Forward Current                  | $I_{F(RMS)}$ | 2.67          |   |                                    | A           |
| Surge Forward Current                | $I_{FSM}$    | 80            | 50Hz Half Sine Wave, 1cycle, Non-repetitive |                                    | A           |
| Operating Junction Temperature Range | $T_{jw}$     | - 40 to + 150 |   |                                    | $^{\circ}C$ |
| Storage Temperature Range            | $T_{stg}$    | - 40 to + 150 |   |                                    | $^{\circ}C$ |

## Electrical • Thermal Characteristics

| Characteristics      | Symbol        | Conditions                          | Min. | Typ. | Max. | Unit    |               |
|----------------------|---------------|-------------------------------------|------|------|------|---------|---------------|
| Peak Reverse Current | $I_{RM}$      | $T_j= 25^{\circ}C, V_{RM}= V_{RRM}$ | -    | -    | 10   | $\mu A$ |               |
| Peak Forward Voltage | $V_{FM}$      | $T_j= 25^{\circ}C, I_{FM}= 1.7A$    | -    | -    | 0.92 | V       |               |
| Thermal Resistance   | $R_{th(j-a)}$ | Junction to Ambient                 | *1   | -    | -    | 105     | $^{\circ}C/W$ |
|                      |               |                                     | *2   | -    | -    | 70      |               |

\*1 : Without Fin or P.C. Board

\*2 : P.C. Board Mounted (L=8mm, Print Land=15 x 15mm, Both Sides)

20E4 OUTLINE DRAWING (Dimensions in mm)

