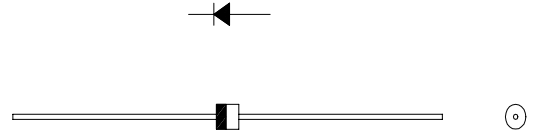


DIODE Type : 11ES2

OUTLINE DRAWING

FEATURES

- * Miniature Size
- * Low Forward Voltage drop
- * Low Reverse Leakage Current
- * High Surge Capability
- * 26mm and 52mm Inside Tape Spacing Package Available



Maximum Ratings

Approx Net Weight:0.17g

| Rating | Symbol | 11ES2 | | | Unit |
|--------------------------------------|--------------|---------------|---|------------------------------------|-------------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 200 | | | V |
| Non-repetitive Peak Reverse Voltage | V_{RSM} | 400 | | | V |
| Average Rectified Output Current | I_O | 0.98 | $T_a=25^{\circ}C$ *1 | 50Hz Half Sine Wave Resistive Load | A |
| | | 1.0 | $T_a=50^{\circ}C$ *2 | | |
| RMS Forward Current | $I_{F(RMS)}$ | 1.57 | | | A |
| Surge Forward Current | I_{FSM} | 45 | 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} | $T_j= 25^{\circ}C, V_{RM}= V_{RRM}$ | - | - | 50 | μA | |
| Peak Forward Voltage | V_{FM} | $T_j= 25^{\circ}C, I_{FM}= 1.0A$ | - | - | 1.0 | V | |
| Thermal Resistance | $R_{th(j-a)}$ | Junction to Ambient | *1 | - | - | 140 | $^{\circ}C/W$ |
| | | | *2 | | | 110 | |

*1:Without Fin or P.C. Board

*2:P.C. Board Mounted (L=3mm,Print Land=5x5mm,Both Sides)

11ES2 OUTLINE DRAWING (Dimensions in mm)

