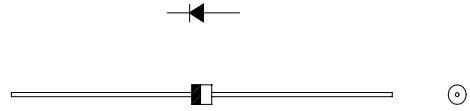


FRD Type :10ELS6

OUTLINE DRAWING

FEATURES

- * Miniature Size
- * Fast Recovery and Low Price
- * High Surge Capability
- * 100volts trough 600volts Types Available
- * 26mm and 52mm Inside Tape Spacing



Maximum Ratings

Approx Net Weight:0.17g

| Rating | | Symbol | 10ELS6 | | | Unit |
|--------------------------------------|--------------------------|--------------|---------------|--|-------------------------------|-------------|
| Repetitive Peak Reverse Voltage | | V_{RRM} | 600 | | | V |
| Non-repetitive Peak Reverse Voltage | | V_{RSM} | 700 | | | V |
| Average Rectified Output Current | Without FIN or P.C.Board | I_O | 0.77 | $T_a=25^{\circ}C$ | Half Sine Wave Resistive Load | A |
| | P.C.Board mounted* | | 1 | $T_a=26^{\circ}C$ | | |
| RMS Forward Current | | $I_{F(RMS)}$ | 1.57 | | | A |
| Surge Forward Current | | I_{FSM} | 50 | 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 | μA |
| Peak Forward Voltage | V_{FM} | $T_j=25^{\circ}C, I_{FM}= 1 A$ | - | - | 1.15 | V |
| Reverse Recovery Time | trr | $I_{FM}= 1 A, -di/dt= 50 A/\mu s, T_a=25^{\circ}C$ | - | - | 150 | ns |
| Thermal Resistance | $R_{th(j-a)}$ | Without Fin or P.C.Board | - | - | 140 | $^{\circ}C/W$ |
| | | P.C.Board mounted * | - | - | 100 | $^{\circ}C/W$ |

*: L=3mm, Print Lands = 7x7 mm, Both Sides

10ELS6 OUTLINE DRAWING (Dimensions in mm)

