




ELECTRICAL CHARACTERISTICS

| Symbol   | Test Condition   | Quadrant | Value | Unit       |
|----------|--|----------|-------|------------|
| $I_{G1}$ | $V_{D1} = 0$   | - -      | 5     | $\mu A$    |
|          |  |          | 0     |            |
| $V_{G1}$ |  | A        | 1     | V          |
| $V_{G2}$ | $V_{D1} = 0$<br>$R_{L1} = k$                                   | A        | 0     | V          |
| $I_{L1}$ | $I_{G1} = 2 \mu A$   | - -      | 5     | $\mu A$    |
|          |  |          | 0     |            |
| $I_{H1}$ | $I_{T1} = 0$   |          | 0     | $\mu A$    |
| $t_{r1}$ | $V_{D1} = 0$<br>$nT_{j1} = 25$                                 |          | 6     | V/ $\mu s$ |
| $t_{f1}$ | $I_{G1} = 5 \mu A$<br>$j \neq 0$                               |          | 2     | V/ $\mu s$ |
| $t_{01}$ | $I_{G1} = 2 \mu A$<br>$I_{A1} = 2 \mu A$<br>$I_{R1} = 2 \mu A$ |          | 3     | $\mu s$    |
| $t_{b1}$ | $T_{j1} = 25$  | TP       | 0     |            |

STATIC ELECTRICAL CHARACTERISTICS

| Symbol   | Parameter                     | Value(MAX.)      | Unit         |
|----------|-------------------------------|------------------|--------------|
| $V_{M1}$ | $I_{M1} = 5 \mu A$<br>$p = 0$ | $T_{j1} = 25$    | 1.6<br>V     |
| $V_{O1}$ |                               | $T_{j1} \neq 25$ | 0<br>V       |
| $R_{D1}$ |                               | $T_{j1} \neq 25$ | 4<br>m       |
| $I_{M1}$ | $V_{D1} = 0$<br>$V_{R1} = 0$  | $T_{j1} = 25$    | 5<br>$\mu A$ |
| $I_{R1}$ |                               | $T_{j1} \neq 25$ | 0            |

**JST138C-600D**

FIG.1: 

0 13

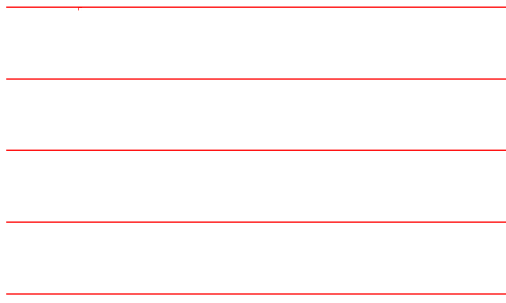
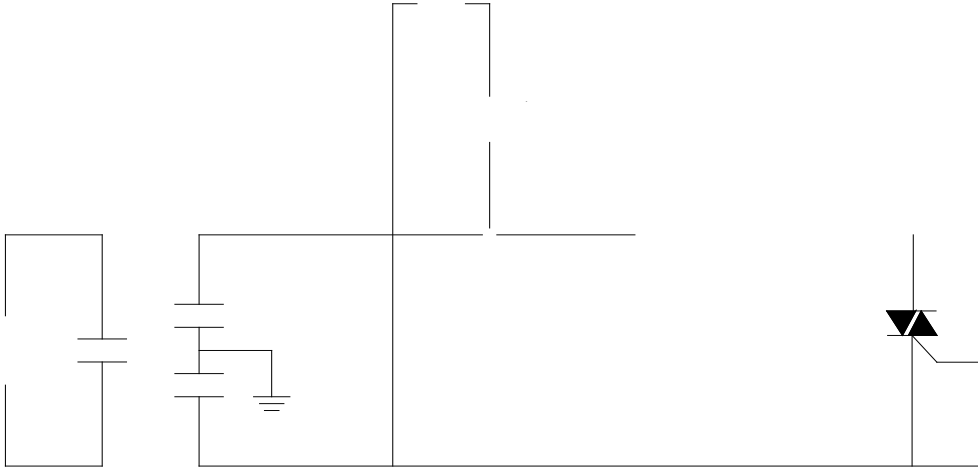


FIG.2: 

138

13



**ORDERING INFORMATION**

**ION**

| Order code   | Voltage<br>$V_{DRM}/V_{RRM}$ (V) | IGT(mA) |    | Package | Base qty.<br>(pcs) | Delivery mode |
|--------------|----------------------------------|---------|----|---------|--------------------|---------------|
|              |                                  | -       | -  |         |                    |               |
| JST138C-600D | 600                              | 5       | 10 | TO-220C | 50                 | Tube          |

