TO-220F Plastic package Schottky diode .

Low forward voltage drop,low power

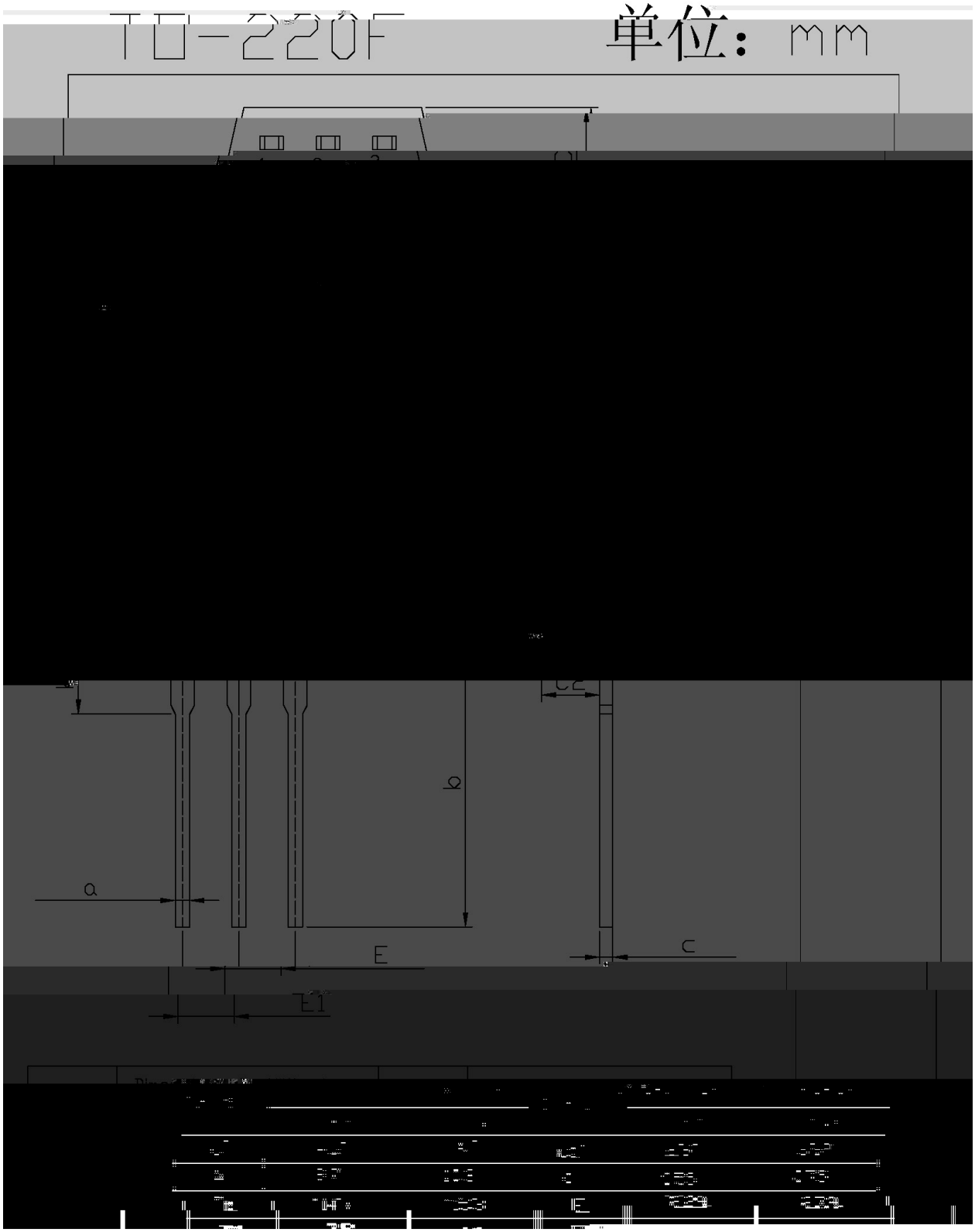
| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Peak Repetitive Reverse Voltage<br>Working Peak Reverse Voltage<br>DC Reverse Voltage | $V_{RRM}$<br>$V_{RWM}$<br>$V_{DC}$ | 200 | V |
| RMS Reverse Voltage | $V_{RMS}$ | 140 | V |
| Average forward rectified Current | $I_{F(AV)}$ | 40 | A |
| Non Repetitive Peak Surge Current | $I_{FSM}$ | 320 | A |
| Thermal Resistance Junction to Case | $R_{Jc}$ | 4.5 | /W |
| Junction and Storage Temperature Range | $T_j$ $T_{stg}$ | -40~+175 | |

| Parameter | Symbol | Test Conditions | | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|---|
| Reverse Voltage | $V_{(BR)R}$ | $I_R$ =1mA | Ta=25 | 200 | | | V |
| Peak Forward Voltage | $V_{FM}$ | $I_F$ =5.0A | Ta=25 | | | 0.82 | V |
| | | $I_F$ =5.0A | Ta=125 | | | 0.78 | V |
| | | $I_F$ =20A | Ta=25 | | | 0.95 | V |
| | | $I_F$ =20A | Ta=125 | | | 0.82 | V |
| Instantaneous Reverse Current | $I_R$ Note 1 | $V_R$=200V | Ta=25 | | | 100 | uA |
| | | $V_R$=200V | Ta=125 | | | 5 | mA |

/Notes

/Short duration pulse test used to minimize self-heating effect.

/ Unless otherwise noted, values for the parameters of a single chip


TO-220F
单位：mm
a
E
E1
C

