

主要参数 MAIN CHARACTERISTICS

| | |
|------|------|
| Ic | 1.5A |
| VCEO | 150V |
| Pc | 25W |

产品特性 FEATURES

| | |
|-----------|-----------------------|
| 硅外延 | Epitaxial silicon |
| 高开关速度 | High switching speed |
| RoHS 产品 | RoHS product |
| 与 A940 互补 | Complementary to A940 |

用途 APPLICATIONS

| | |
|----------|------------------------------------|
| 高频开关电源 | High frequency switch power supply |
| 一般功率放大电路 | Commonly power amplifier circuit |
| 高频功率变换 | High frequency power transform |

封装形式 Package



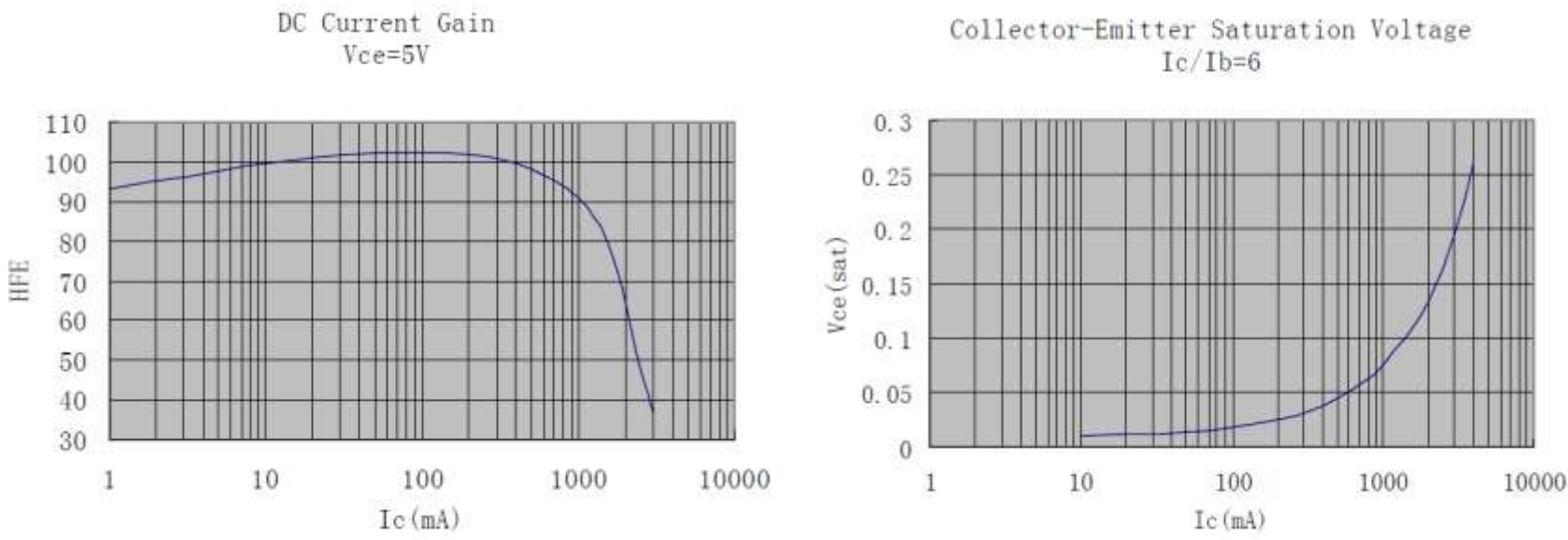
绝对最大额定值 ABSOLUTE RATINGS (Tc=25℃)

| 项目 Parameter | 符号 Symbol | 数值 Value | 单位 Unit |
|--|-----------|-------------|------------|
| 集电极—基极直流电压 Collector- Base Voltage (IE=0) | VCBO | 170 | V |
| 集电极—发射极直流电压 Collector- Emitter Voltage (IB=0) | VCEO- | 150 | V |
| 发射极—基极直流电压 Emitter-Base Voltage (IC=0) | VEBO | 7 | V |
| 最大集电极直流电流 Collector Current (DC) | Ic | 1.5 | A |
| 最大集电极耗散功率 Total Dissipation (TO-92) | Pc | 25 | W |
| 最高结温 Junction Temperature | Tj | 150 | ℃ |
| 贮存温度 Storage Temperature | Tstg | -55~+150 | ℃ |

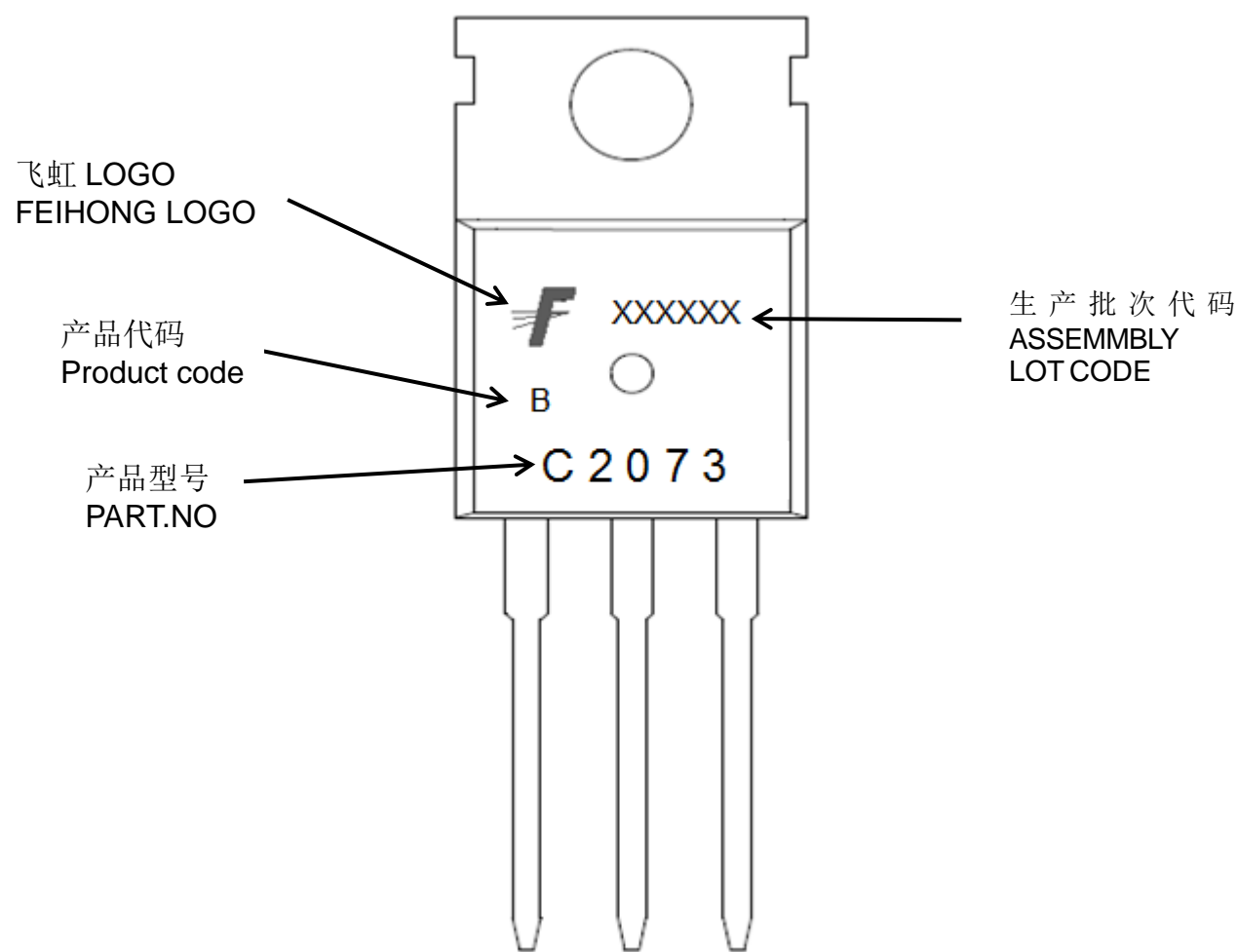
电特性 ELECTRICAL CHARACTERISTICS

| 项目 Parameter | 测试条件 Tests conditions | 最小值 (min) | 典型值 (typ) | 最大值 (max) | 单位 Unit |
|----------------------|---|-----------|-----------|-----------|---------|
| V(BR) _{CBO} | I _C =100uA, I _E =0 | 170 | - | - | V |
| V(BR) _{CEO} | I _C =2mA, I _B =0 | 150 | | - | V |
| V(BR) _{EBO} | I _E =100uA, I _C =0 | 7 | - | - | V |
| I _{CBO} | V _{CB} =180V, I _E =0 | - | - | 10 | μA |
| I _{EBO} | V _{EB} =7V, I _C =0 | - | - | 10 | μA |
| hFE(1) | V _{CE} =5V, I _C =0.5A | 70 | - | 200 | - |
| V _{CE(sat)} | I _C =0.5A, I _B =0.05A | - | - | 1 | V |

典型特性曲线 **Electrical Characteristics**



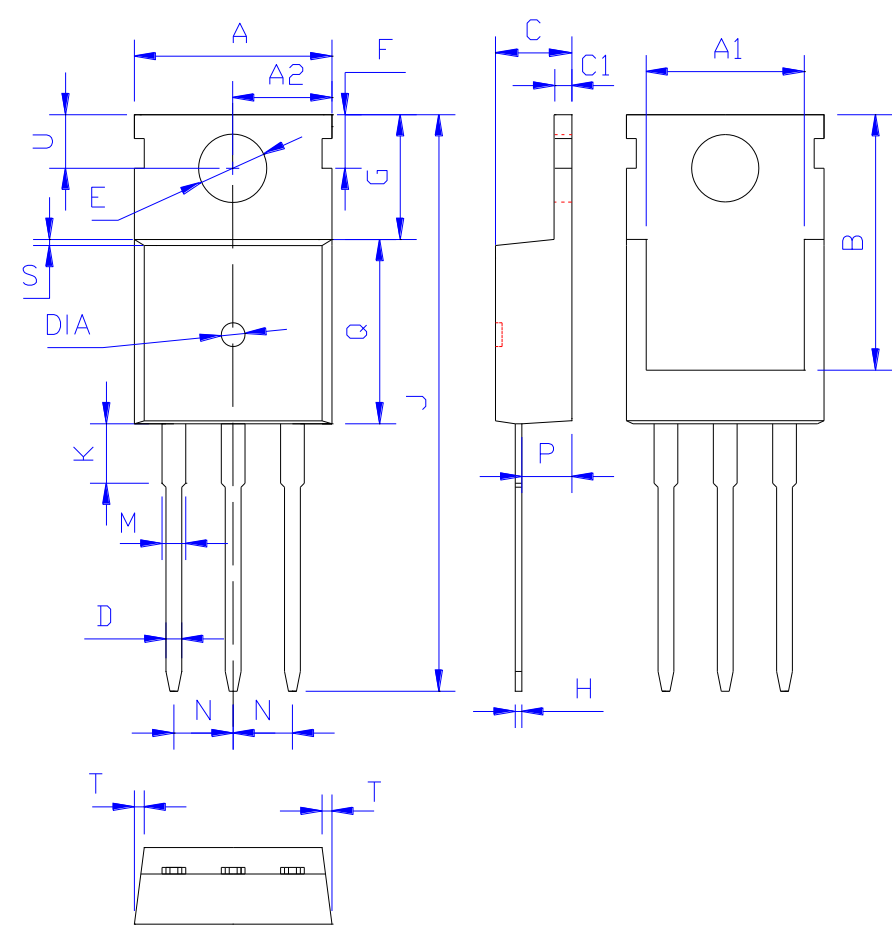
印记 **Marking:**



外形尺寸:

Package Dimension:

TO-220



| DIM | MILLIMETERS |
|-----|---------------------------|
| A | 10.00±0.30 |
| A1 | 8.00±0.30 |
| A2 | 5.00±0.30 |
| B | 13.20±0.40 |
| C | 4.50±0.20 |
| C1 | 1.30±0.20 |
| D | 0.80±0.20 |
| E | 3.60±0.20 |
| F | 3.00±0.30 |
| G | 6.60±0.40 |
| H | 0.50±0.20 |
| J | 28.88±0.50 |
| K | 3.00±0.30 |
| M | 1.30±0.30 |
| N | Typical 2.54 |
| P | 2.40±0.40 |
| Q | 9.20±0.40 |
| S | 0.25±0.15 |
| T | 0.25±0.15 |
| U | 2.80±0.30 |
| DIA | 宽 1.50±0.10 深 0.50 MAX |

(Units: mm)