

/ Descriptions

KF \$))' E GE Silicon NPN transistor in a TO-220 Plastic Package.

/ Features

: \$9 M_{9F} 4 (, ' M @4, 8
High Collector-Base Voltage, High Collector Current.

/ Applications

B/W TV horizontal deflection output.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

| | | | |
|--|-------|-------|--------|
| h _{FE} Classifications Symbol | N | R | O |
| h _{FE} Range | 20 50 | 40 80 | 70 140 |

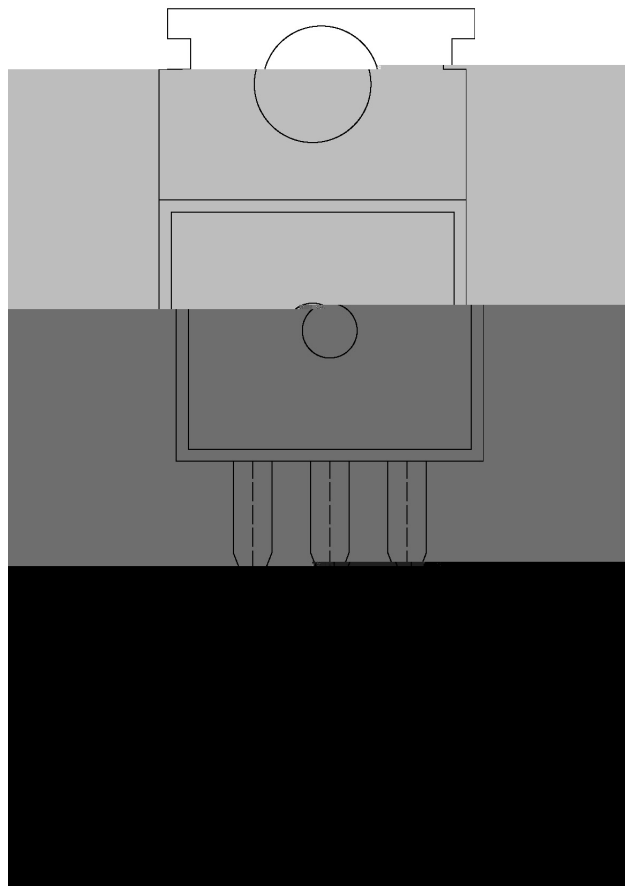
/ Electrical Characteristic Curve

/ Package Dimensions

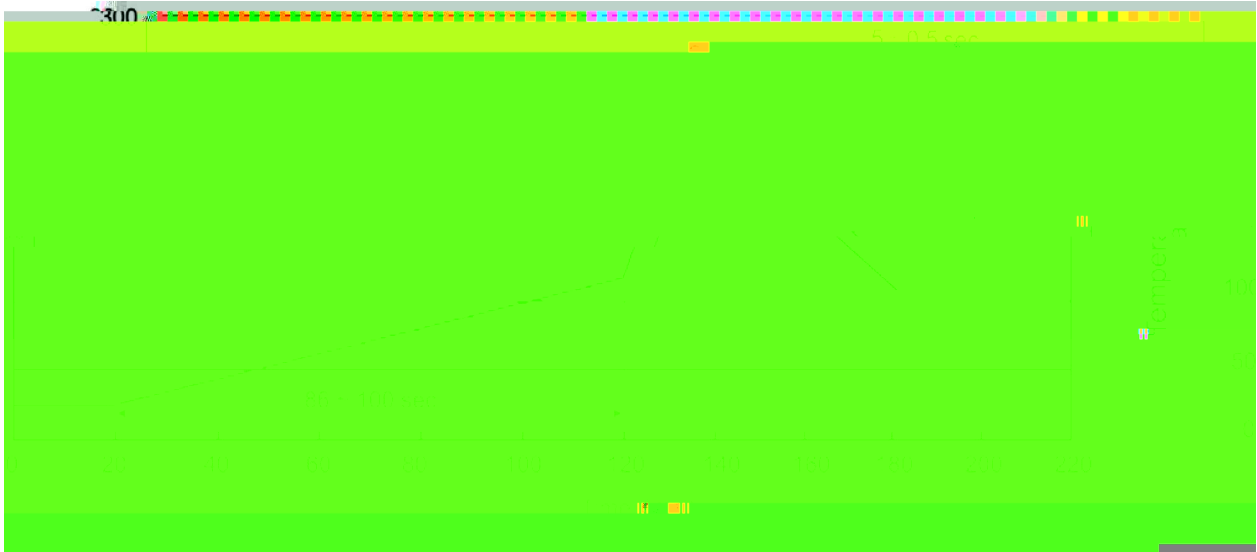


| Symbol | Dimensions in Millimeter (mm) | Dimensions in Millimeter (mm) |
|--------|-------------------------------|-------------------------------|
| A | | |
| B | | |
| C | | |
| a | | |
| a1 | | |
| b1 | | |
| C1 | | |
| k | | |

/ Marking Instructions



() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- | | | | | | |
|---|--------|-----|------------|--------|---|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255..5 | | 5..0.5sec; | | 2.Peak Temp.:255..5 , Duration:5..0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

270..5 10..1 sec. Temp.:270±5 Time:10±1 sec

/ Packaging SPEC.

BULK

| Package Type 封装形式 | Units 包 | | | | | Dimension 包尺寸 (nit: mm ³) | | |
|----------------------|------------------|-----------------------|----------------------|------------------------------|-----------------------|---------------------------------------|----------------|----------------|
| | Units/Bag 只/袋 | Bags/Inner Box 袋/套 | Units/Inner Box 只 | Inner Boxes/Outer Box 套/套 | Units/Outer Box 只/ | Bag 袋 | Inner Box 套 | Outer Box 套 |
| TO-220/F | 200 | 10 | 2,000 | 5 | 10,000 | 135×190 | 237×172×102 | 560×245×195 |

TUBE

| Package Type 封装形式 | Units 包 | | | | | Dimension 包尺寸 (nit: mm ³) | | |
|----------------------|-------------------|------------------------|----------------------|------------------------------|-----------------------|---------------------------------------|----------------|----------------|
| | Units/Tube 只/套 | Tubes/Inner Box 套/套 | Units/Inner Box 只 | Inner Boxes/Outer Box 套/套 | Units/Outer Box 只/ | Tube 套 | Inner Box 套 | Outer Box 套 |
| TO-220/F | | | | | | | | |