

MJD350

High Voltage Power Transistors D-PAK for Surface Mount Applications

- Lead Formed for Surface Mount Applications (No Suffix)
 Straight Lead (I-PAK, "- I" Suffix)



PNP Epitaxial Silicon Transistor

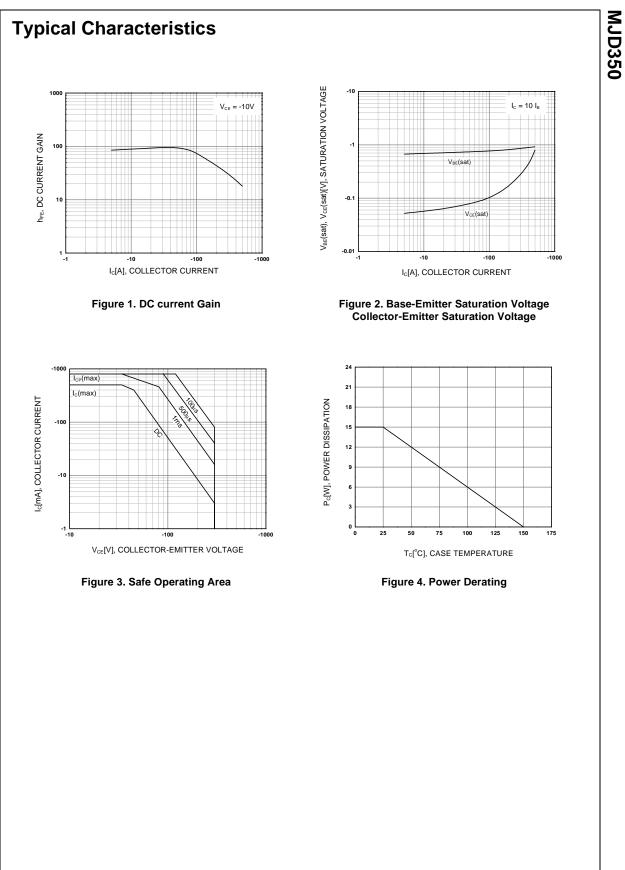
| Symbol | Parameter | Value | Units | |
|------------------|---|------------|-------|--|
| V _{CBO} | Collector-Base Voltage | - 300 | V | |
| V _{CEO} | Collector-Emitter Voltage | | V | |
| V _{EBO} | O Emitter-Base Voltage - | | V | |
| I _C | Collector Current (DC) | - 0.5 | А | |
| I _{CP} | Collector Current (Pulse) | - 0.75 | А | |
| P _C | Collector Dissipation ($T_C = 25^{\circ}C$) | 15 | W | |
| | Collector Dissipation ($T_a = 25^{\circ}C$) | 1.56 | W | |
| TJ | Junction Temperature | 150 | °C | |
| T _{STG} | Storage Temperature | - 65 ~ 150 | °C | |

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Electrical Characteristics T_C=25°C unless otherwise noted

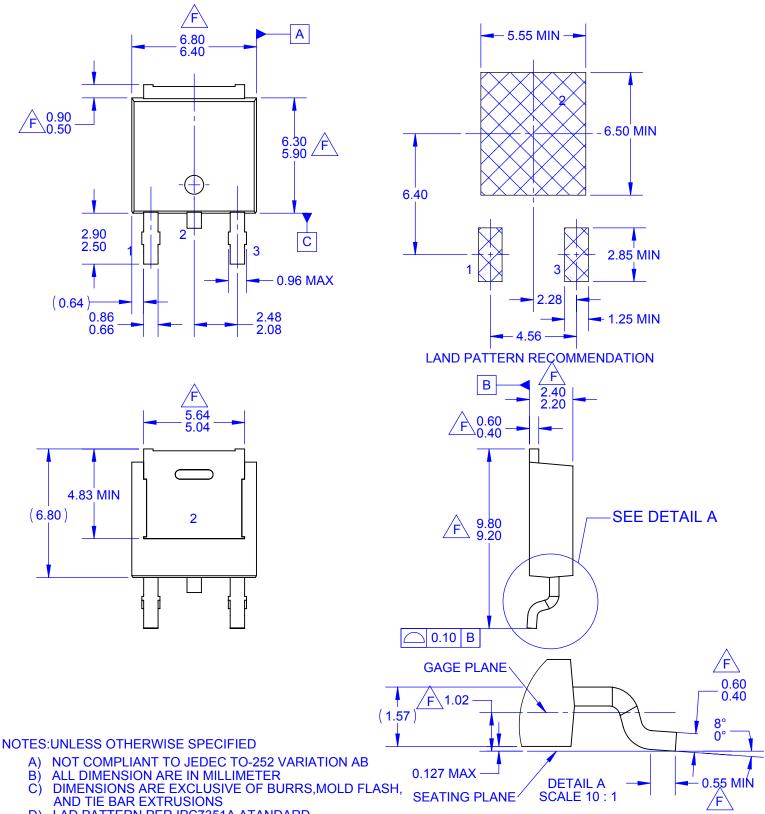
| Symbol | Parameter | Test Condition | Min. | Max. | Units |
|------------------------|--|--|------|------|-------|
| V _{CEO} (sus) | * Collector-Emitter Sustaining Voltage | $I_{\rm C} = 1 {\rm mA}, I_{\rm B} = 0$ | -300 | | V |
| I _{CEO} | Collector Cut-off Current | $V_{CB} = -300V, I_{E} = 0$ | | -0.1 | mA |
| I _{EBO} | Emitter Cut-off Current | $V_{EB} = -3V, I_{C} = 0$ | | -0.1 | mA |
| h _{FE} | * DC Current Gain | $V_{CE} = -10V, I_{C} = -50mA$ | 30 | 240 | |

Pulse Test: PW≤300µs, Duty Cycle≤2%



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- D) LAD PATTERN PER IPC7351A ATANDARD TO228P991X239-3N
- E)
- DRAWING FILE NAME:MKT-TO252D03REV3. DOES NOT COMPLY JEDEC STANDARD VALUE. F
- G) FAIRCHILD SEMICONDUCTOR.



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|--------------------------|-----------------------|---|--|--|--|
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