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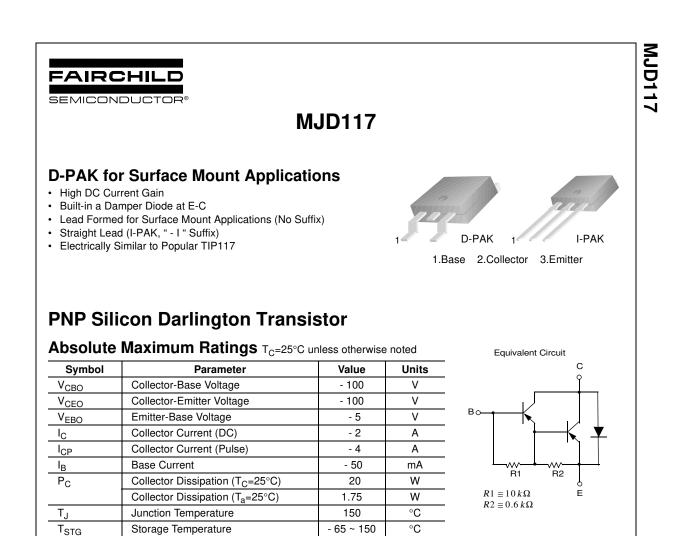


ON Semiconductor®

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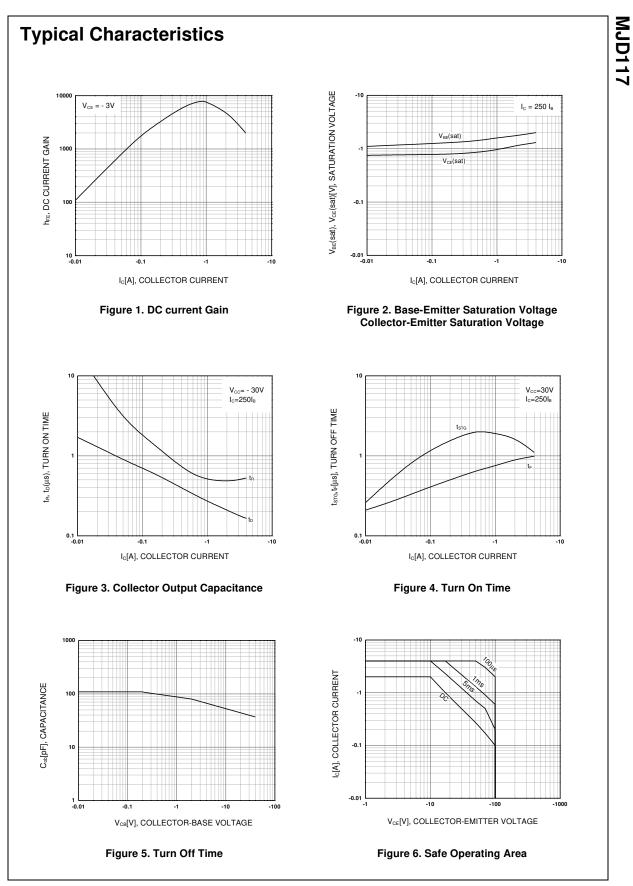
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Electrical Characteristics T_C=25°C unless otherwise noted

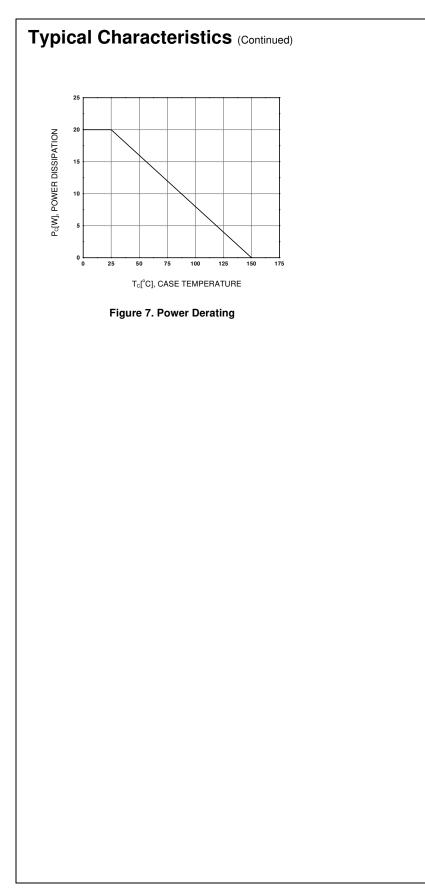
| Symbol | Parameter | Test Condition | Min. | Max. | Units |
|------------------------|---------------------------------------|---|--------------------|------------|--------|
| V _{CEO} (sus) | *Collector-Emitter Sustaining Voltage | I _C = - 30mA, I _B = 0 | - 100 | | V |
| I _{CEO} | Collector Cut-off Current | $V_{CE} = -50V, I_B = 0$ | | - 20 | μΑ |
| I _{CBO} | Collector Cut-off Current | $V_{CB} = -100V, I_E = 0$ | | - 20 | μΑ |
| I _{EBO} | Emitter Cut-off Current | $V_{EB} = -5V, I_{C} = 0$ | | - 2 | mA |
| h _{FE} | *DC Current Gain | $V_{CE} = -3V, V_{EB} = -0.5A$ $V_{CE} = -3V, V_{EB} = -2A$ $V_{CE} = -3V, I_C = -4A$ | 500 1000 200 | 12K | |
| V _{CE} (sat) | *Collector-Emitter Saturation Voltage | $I_{C} = -2A, I_{B} = -8mA$ $I_{C} = -4A, I_{B} = -40mA$ | | - 2 - 3 | V V |
| V _{BE} (sat) | *Base-Emitter Saturation Voltage | I _C = - 4A, I _B = - 40mA | | - 4 | V |
| V _{BE} (on) | *Base-Emitter ON Voltage | V _{CE} = - 3A, I _C = - 2A | | - 2.8 | V |
| f _T | Current Gain Bandwidth Product | V _{CE} = -10V, I _C = - 0.75A | 25 | | MHz |
| C _{ob} | Output Capacitance | V _{CB} = - 10V, I _E = 0 f= 0.1MHz | | 200 | pF |

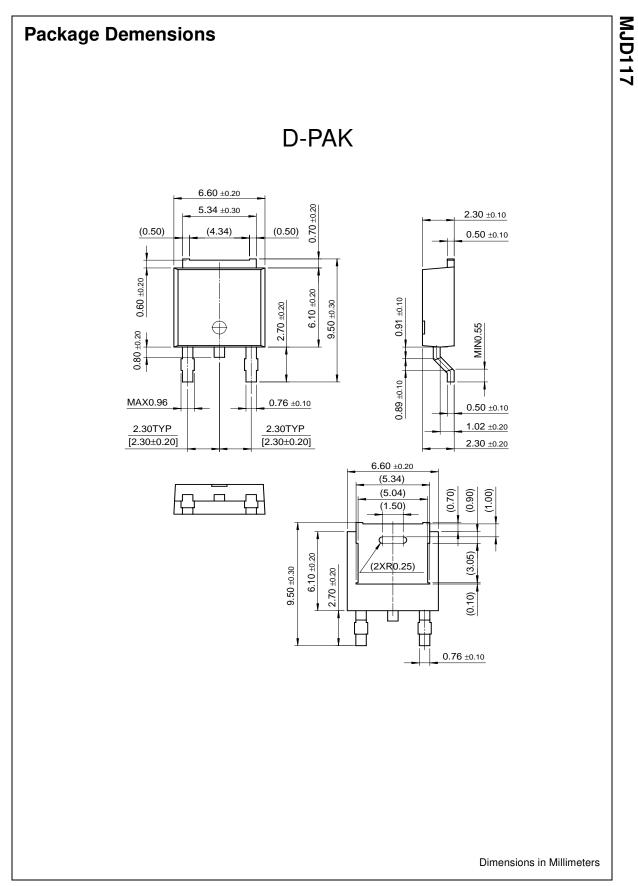
* Pulse Test: PW≤300µs, Duty Cycle≤2%



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Rev. A2, June 2001





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