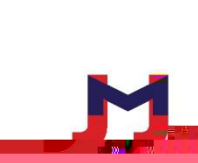
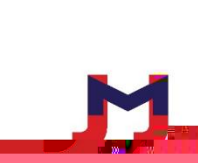
A d c f a c edad bec e a d ca e .





( $_{vj}$=25 unless otherwise specified)

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| $_{F}$ | Diode forward voltage | $_{F}$=30A | - | 1.7 | - | V |
| | | $_{F}$=30A, $_{vj}$=175 | - | 1.4 | - | V |
| $_{rr}$ | Diode reverse recovery time | $_{R}$=400V<br>$_{F}$=30A<br>d $_{F}$/d =-550A/μs | - | 105 | - | ns |
| $_{rrm}$ | Diode peak reverse recovery current | | - | 16 | - | A |
| $_{rr}$ | Diode reverse recovery charge | | - | 876 | - | nC |
| $_{rr}$ | Diode reverse recovery time | $_{R}$=400V<br>$_{F}$=30A<br>d $_{F}$/d =-550A/μs<br>$_{vj}$=175 | - | 171 | - | ns |
| $_{rrm}$ | Diode peak reverse recovery current | | - | 26 | - | A |
| $_{rr}$ | Diode reverse recovery charge | | - | 2650 | - | nC |

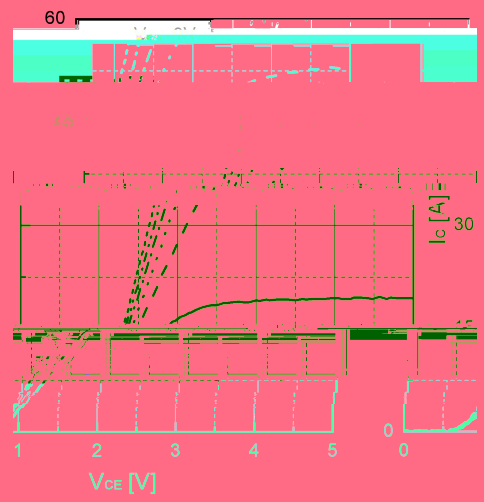



Fig 1. Typical output characteristic ( $_{vj}$=25 )

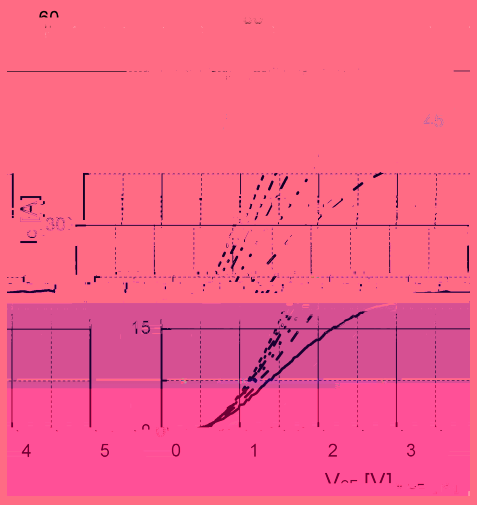



Fig 2. Typical output characteristic( $_{vj}$=175 )

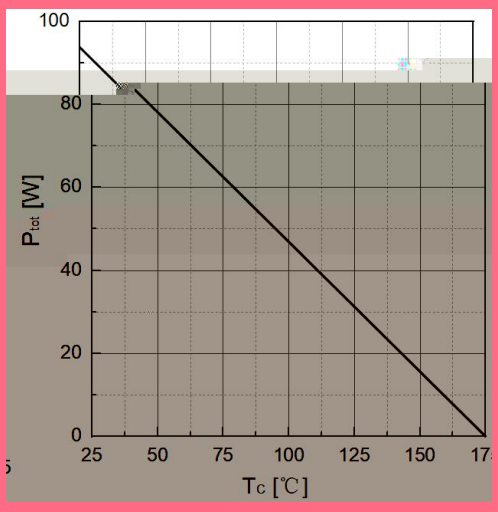



Fig 3. Power dissipation as a function of

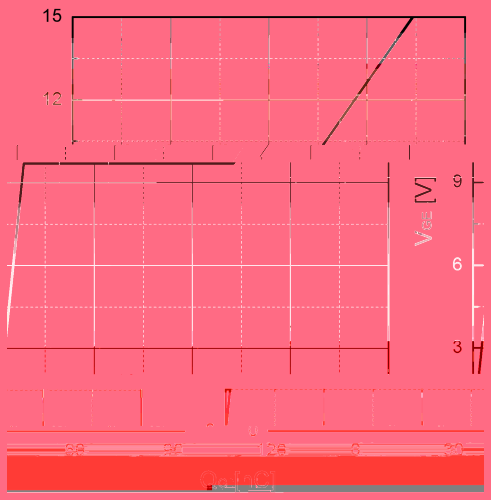



Fig 4. Typical Gate charge

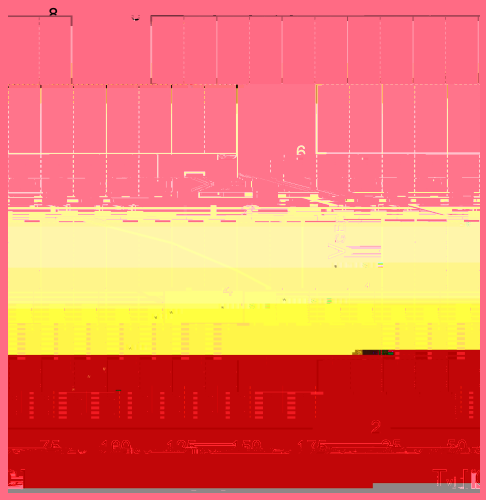


Fig 5. Typical $_{GE(th)}$ as a function of $_{vj}$ ( $_{C}$=1mA)

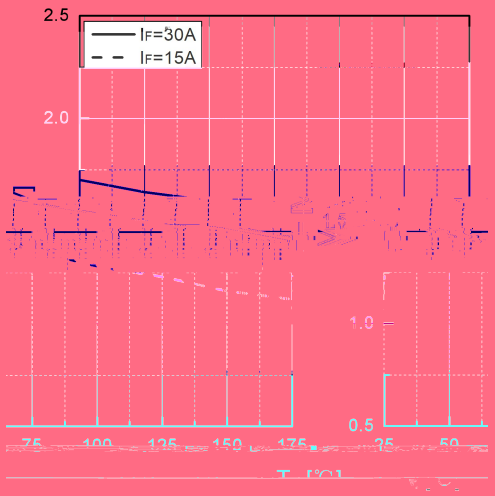



Fig 6. Typical $_{F}$ as a function of $_{vj}$

A d c f a c ed a d bec e a d ca e .

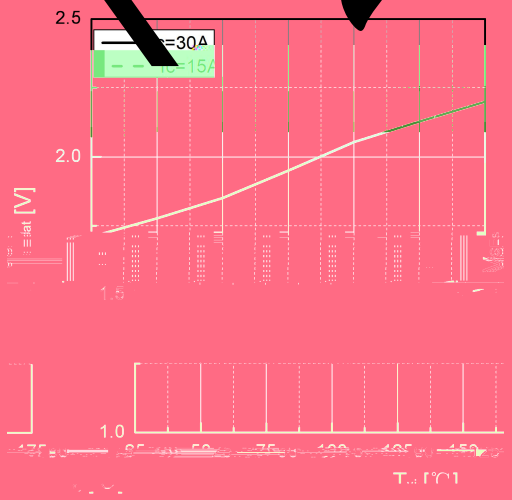



Fig 7. Typical $_{CEsat}$ as a function of $_{vj}$

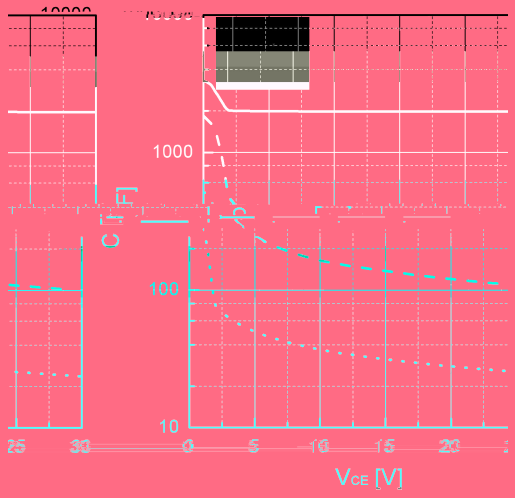



Fig 13. Typical capacitance as a function of $_{CE}$ (f=1Mhz, $_{GE}$=0V)

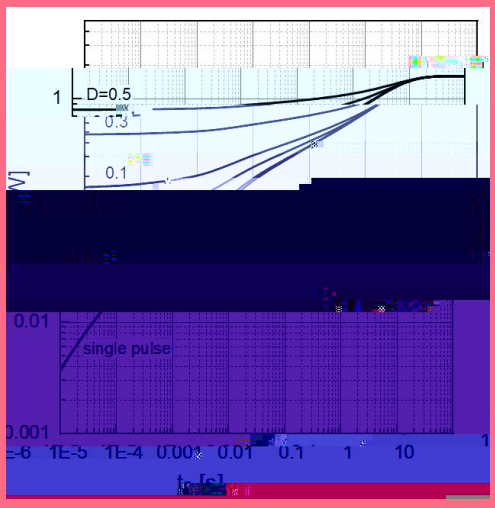



Fig 14. Transient thermal impedance, IGBT

Dimensions

| Ref. | Millimeters | | | Inches | | |
|---|---|---|---|---|---|---|
| | Min. | Typ. | Max. | Min. | Typ. | Max. |
| A | 4.50 | - | 4.90 | 0.177 | - | 0.193 |
| B | 0.74 | 0.80 | 0.83 | | | |

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| Date | Revision | Changes |
|---|---|---|
| 2023-12-27 | Rev 1.0 | Release of the datasheet |
| 2025-03-09 | Rev 1.1 | Character update |
| 2026-06-24 | Rev 1.2 | Update thermal |

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