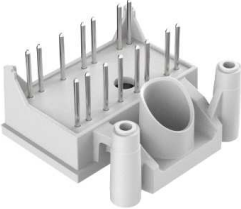
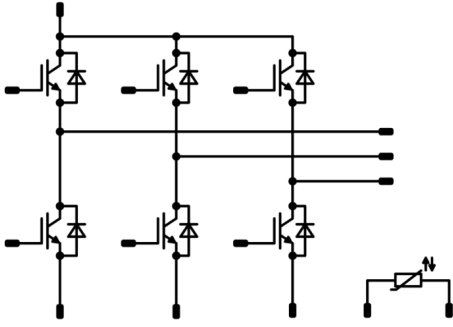
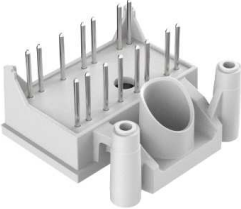
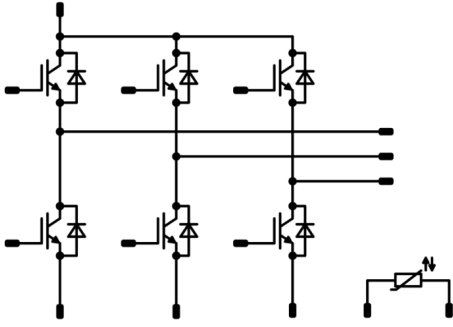
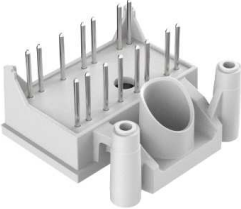
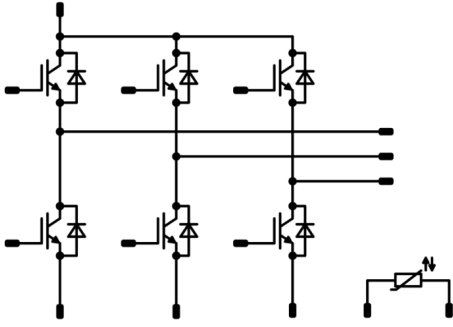




Vincotech

| <i>flow</i> PACK 0 B | 600 V / 6 A | | | | | | | | | | |
|--|-------------|--|---------------------|--|-------|---|--|-------------------------|---|-----------|---|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ccc;"> <th style="text-align: center; padding: 5px;">Features</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <ul style="list-style-type: none"> IGBT3 (600V) technology Open emitter topology New ultra-compact housing Single-screw heat sink mounting </td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ccc;"> <th style="text-align: center; padding: 5px;">Target applications</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <ul style="list-style-type: none"> Dedicated design for motor drive </td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ccc;"> <th style="text-align: center; padding: 5px;">Types</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> <ul style="list-style-type: none"> 10-0B066PA006SB-M992F09 </td> </tr> </tbody> </table> | Features | <ul style="list-style-type: none"> IGBT3 (600V) technology Open emitter topology New ultra-compact housing Single-screw heat sink mounting | Target applications | <ul style="list-style-type: none"> Dedicated design for motor drive | Types | <ul style="list-style-type: none"> 10-0B066PA006SB-M992F09 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ccc;"> <th style="text-align: center; padding: 5px;"><i>flow</i> 0 B housing</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 10px;">  </td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ccc;"> <th style="text-align: center; padding: 5px;">Schematic</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 10px;">  </td> </tr> </tbody> </table> | <i>flow</i> 0 B housing |  | Schematic |  |
| Features | | | | | | | | | | | |
| <ul style="list-style-type: none"> IGBT3 (600V) technology Open emitter topology New ultra-compact housing Single-screw heat sink mounting | | | | | | | | | | | |
| Target applications | | | | | | | | | | | |
| <ul style="list-style-type: none"> Dedicated design for motor drive | | | | | | | | | | | |
| Types | | | | | | | | | | | |
| <ul style="list-style-type: none"> 10-0B066PA006SB-M992F09 | | | | | | | | | | | |
| <i>flow</i> 0 B housing | | | | | | | | | | | |
|  | | | | | | | | | | | |
| Schematic | | | | | | | | | | | |
|  | | | | | | | | | | | |

Maximum Ratings

$T_j = 25\text{ °C}$, unless otherwise specified

| Parameter | Symbol | Condition | Value | Unit |
|-----------------------------------|----------------------|--|----------|---------|
| Inverter Switch | | | | |
| Collector-emitter voltage | V_{CES} | | 600 | V |
| Collector current | I_C | $T_j = T_{jmax}$ $T_s = 80\text{ °C}$ | 8 | A |
| Repetitive peak collector current | I_{CRM} | t_p limited by T_{jmax} | 18 | A |
| Total power dissipation | P_{tot} | $T_j = T_{jmax}$ $T_s = 80\text{ °C}$ | 27 | W |
| Gate-emitter voltage | V_{GES} | | ±20 | V |
| Short circuit ratings | t_{SC} V_{CC} | $T_j \leq 150\text{ °C}$ $V_{GE} = 15\text{ V}$ | 6 360 | μs V |
| Maximum junction temperature | T_{jmax} | | 175 | °C |



Vincotech

Maximum Ratings

$T_j = 25\text{ °C}$, unless otherwise specified

| Parameter | Symbol | Condition | Value | Unit |
|-------------------------------------|------------|---------------------------------------|-------|------|
| Inverter Diode | | | | |
| Peak repetitive reverse voltage | V_{RRM} | | 600 | V |
| Continuous (direct) forward current | I_F | $T_j = T_{jmax}$ $T_s = 80\text{ °C}$ | 8 | A |
| Repetitive peak forward current | I_{FRM} | | 12 | A |
| Total power dissipation | P_{tot} | $T_j = T_{jmax}$ $T_s = 80\text{ °C}$ | 23 | W |
| Maximum junction temperature | T_{jmax} | | 175 | °C |

Module Properties

Thermal Properties

| | | | | |
|---|-----------|--|--------------------------------|----|
| Storage temperature | T_{stg} | | -40...+125 | °C |
| Operation temperature under switching condition | T_{top} | | -40...(T _{jmax} - 25) | °C |

Isolation Properties

| | | | | |
|----------------------------|------------|------------------------------------|-----------|----|
| Isolation voltage | V_{isol} | DC Test Voltage $t_p = 2\text{ s}$ | 4000 | V |
| Creepage distance | | | min. 12,7 | mm |
| Clearance | | | min. 12,7 | mm |
| Comparative Tracking Index | CTI | | > 200 | |



Vincotech

Characteristic Values

| Parameter | Symbol | Conditions | | | | | Value | | | Unit |
|-----------|--------|--------------|--------------|--------------|-----------|------------|-------|-----|-----|------|
| | | V_{GS} [V] | V_{GE} [V] | V_{DS} [V] | I_D [A] | T_j [°C] | Min | Typ | Max | |

Inverter Switch

Static

| Parameter | Symbol | Conditions | V_{GS} [V] | V_{GE} [V] | V_{DS} [V] | I_D [A] | T_j [°C] | Min | Typ | Max | Unit |
|--------------------------------------|--------------|-------------------|--------------|--------------|--------------|-----------|------------|-----|--------------|------|------|
| Gate-emitter threshold voltage | $V_{GE(th)}$ | $V_{GE} = V_{CE}$ | | | | 0,00018 | 25 | 5 | 5,8 | 6,5 | V |
| Collector-emitter saturation voltage | V_{CEsat} | | 15 | | | 6 | 25 125 | 1,1 | 1,49 1,68 | 1,9 | V |
| Collector-emitter cut-off current | I_{CES} | | 0 | 600 | | | 25 | | | 0,04 | μA |
| Gate-emitter leakage current | I_{GES} | | 20 | 0 | | | 25 | | | 300 | nA |
| Internal gate resistance | r_g | | | | | | | | none | | Ω |
| Input capacitance | C_{ies} | | | | | | | | 368 | | pF |
| Output capacitance | C_{oes} | $f = 100$ KHz | 0 | 25 | | 25 | | | 28 | | |
| Reverse transfer capacitance | C_{res} | | | | | | | | 11 | | |
| Gate charge | Q_g | | 15 | 180 | 6 | | 25 | | 42 | | nC |

Thermal

| Parameter | Symbol | Conditions | V_{GS} [V] | V_{GE} [V] | V_{DS} [V] | I_D [A] | T_j [°C] | Min | Typ | Max | Unit |
|-------------------------------------|---------------|---|--------------|--------------|--------------|-----------|------------|-----|------|-----|------|
| Thermal resistance junction to sink | $R_{th(j-s)}$ | Thermal grease thickness ≤ 50 μm $\lambda = 1$ W/mK | | | | | | | 3,50 | | K/W |

Dynamic

| Parameter | Symbol | Conditions | V_{GS} [V] | V_{GE} [V] | V_{DS} [V] | I_D [A] | T_j [°C] | Min | Typ | Max | Unit |
|-----------------------------|--------------|--|--------------|--------------|--------------|-----------|------------|-----|-------|-----|------|
| Turn-on delay time | $t_{d(on)}$ | $R_{goff} = 64$ Ω $R_{gon} = 64$ Ω | ±15 | | 300 | 6 | | 25 | 105 | | ns |
| Rise time | t_r | | | | | | | 150 | 102 | | |
| Turn-off delay time | $t_{d(off)}$ | | | | | | | 25 | 22 | | |
| Fall time | t_f | | | | | | | 150 | 28 | | |
| Turn-on energy (per pulse) | E_{on} | $Q_{FWD} = 0,3$ μC $Q_{FWD} = 0,8$ μC | | | | | | 25 | 0,150 | | mWs |
| Turn-off energy (per pulse) | E_{off} | | | | | | | 150 | 0,225 | | |
| | | | | | | | | 25 | 0,146 | | |
| | | | | | | | | 150 | 0,193 | | |



Vincotech

Characteristic Values

| Parameter | Symbol | Conditions | | | | | Value | | | Unit |
|-----------|--------|------------------------------|------------------------------|------------------------|-----------|------------|-------|-----|-----|------|
| | | V_{GE} [V] V_{GS} [V] | V_{CE} [V] V_{DS} [V] | I_C [A] I_D [A] | I_F [A] | T_j [°C] | Min | Typ | Max | |

Inverter Diode

Static

| | | | | | | | | | | |
|-------------------------|-------|--|--|-----|---|-----------|--|--------------|------|---------|
| Forward voltage | V_F | | | | 6 | 25 125 | | 1,58 1,50 | 1,95 | V |
| Reverse leakage current | I_R | | | 600 | | 25 | | | 27 | μ A |

Thermal

| | | | | | | | | | | |
|-------------------------------------|---------------|---|--|--|--|--|--|------|--|-----|
| Thermal resistance junction to sink | $R_{th(j-s)}$ | Thermal grease thickness $\leq 50 \mu\text{m}$ $\lambda = 1 \text{ W/mK}$ | | | | | | 4,20 | | K/W |
|-------------------------------------|---------------|---|--|--|--|--|--|------|--|-----|

Dynamic

| | | | | | | | | | | |
|---------------------------------------|----------------------|--|----------|-----|---|-----------|--|----------------|--|------------|
| Peak recovery current | I_{RRM} | $di/dt = 219 \text{ A}/\mu\text{s}$ $di/dt = 191 \text{ A}/\mu\text{s}$ | ± 15 | 300 | 6 | 25 150 | | 4 6 | | A |
| Reverse recovery time | t_{rr} | | | | | 25 150 | | 183 288 | | ns |
| Recovered charge | Q_r | | | | | 25 150 | | 0,324 0,775 | | μ C |
| Reverse recovered energy | E_{rec} | | | | | 25 150 | | 0,059 0,156 | | mWs |
| Peak rate of fall of recovery current | $(di_{rt}/dt)_{max}$ | | | | | 25 150 | | 45 57 | | A/ μ s |

Thermistor

| | | | | | | | | | | |
|----------------------------|----------------|-------------------------|--|--|--|-----|------|------|------|------------|
| Rated resistance | R | | | | | 25 | | 21,5 | | k Ω |
| Deviation of R_{100} | $\Delta_{R/R}$ | $R_{100} = 1486 \Omega$ | | | | 100 | -4,5 | | +4,5 | % |
| Power dissipation | P | | | | | 25 | | 210 | | mW |
| Power dissipation constant | | | | | | 25 | | 3,5 | | mW/K |
| B-value | $B_{(25/50)}$ | | | | | 25 | | 3884 | | K |
| B-value | $B_{(25/100)}$ | | | | | 25 | | 3964 | | K |
| Vincotech NTC Reference | | | | | | | | | F | |



Inverter Switch Characteristics

figure 1. IGBT

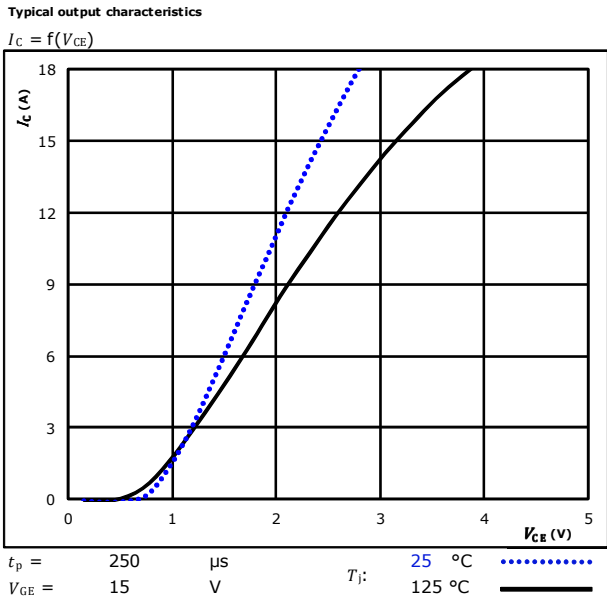


figure 2. IGBT

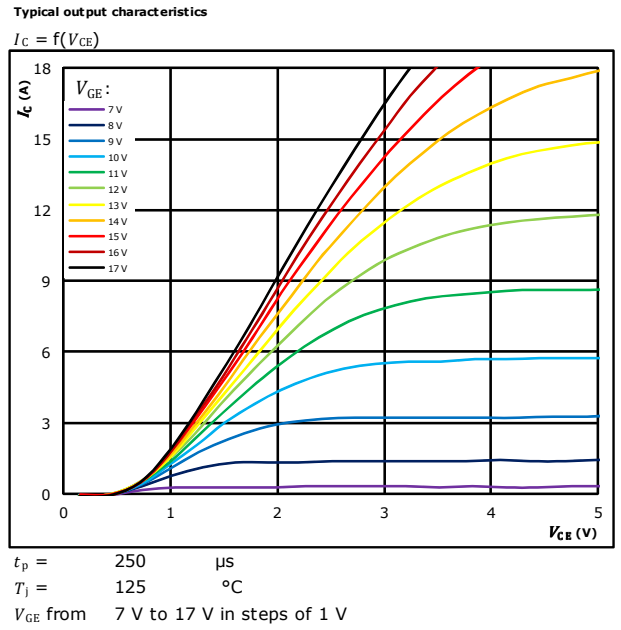


figure 3. IGBT

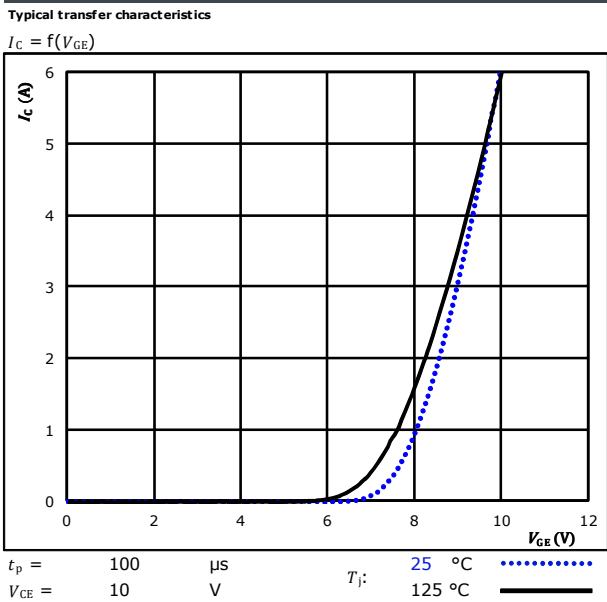
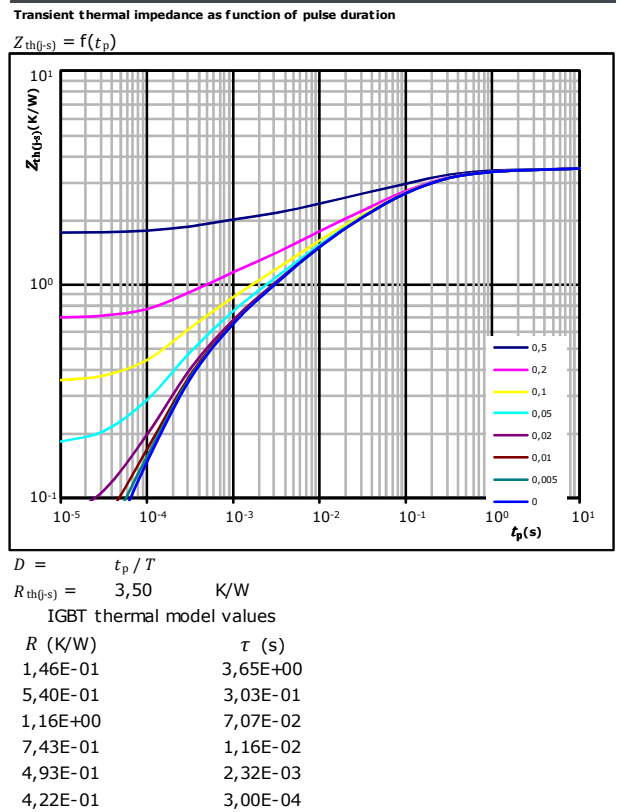


figure 4. IGBT





Inverter Switch Characteristics

figure 5. IGBT

Gate voltage vs gate charge

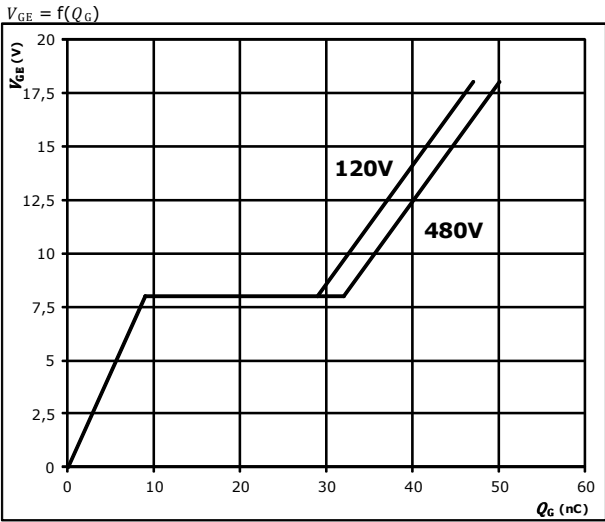
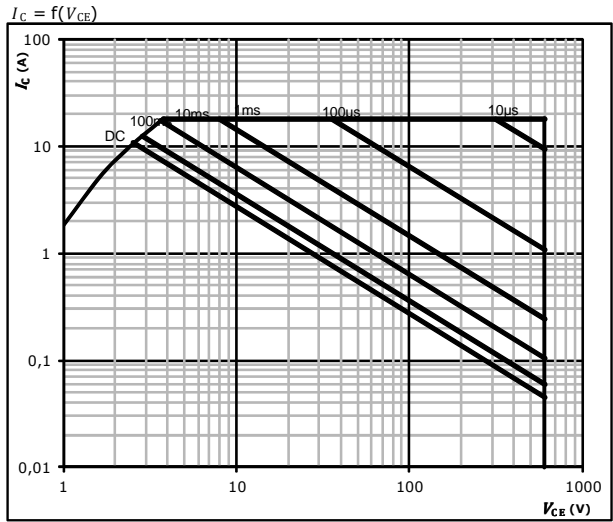


figure 6. IGBT

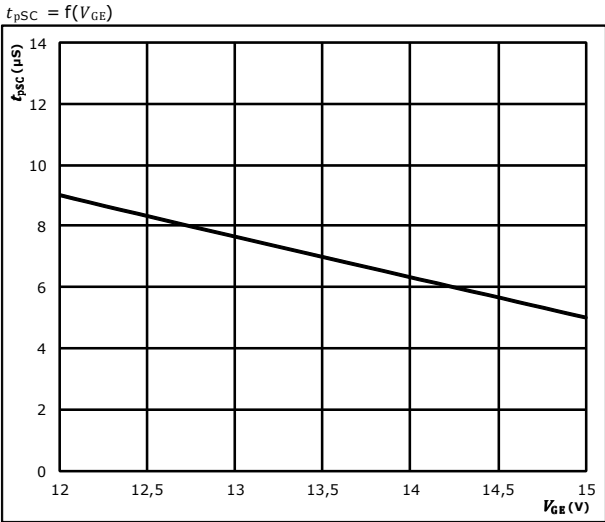
Safe operating area



$D =$ single pulse
 $T_s = 80 \text{ } ^\circ\text{C}$
 $V_{GE} = \pm 15 \text{ V}$
 $T_j = T_{jmax} \text{ } ^\circ\text{C}$

figure 7. IGBT

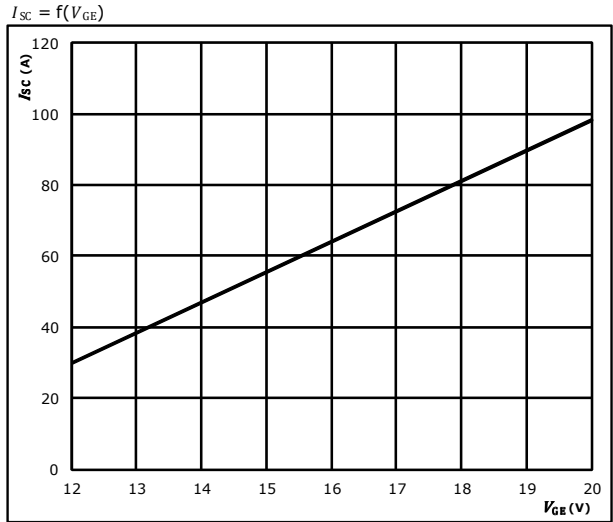
Short circuit duration as a function of V_{GE}



$V_{CE} = 600 \text{ V}$
 $T_j \leq 175 \text{ } ^\circ\text{C}$

figure 8. IGBT

Typical short circuit current as a function of V_{CE}



$V_{CE} \leq 600 \text{ V}$
 $T_j \leq 175 \text{ } ^\circ\text{C}$

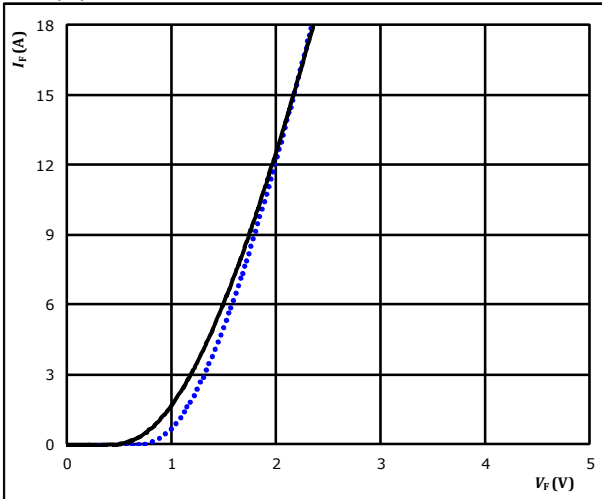


Inverter Diode Characteristics

figure 1. FWD

Typical forward characteristics

$$I_F = f(V_F)$$

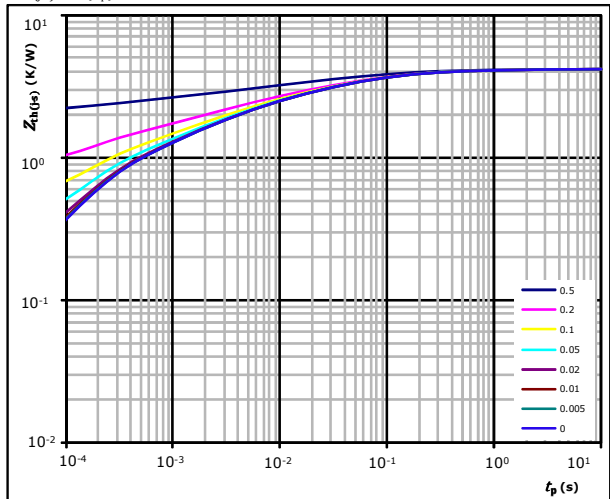


$t_p = 250 \mu s$ $T_j: 25 \text{ }^\circ\text{C}$ (dotted line) $125 \text{ }^\circ\text{C}$ (solid line)

figure 2. FWD

Transient thermal impedance as a function of pulse width

$$Z_{th(j-s)} = f(t_p)$$



$D = t_p / T$
 $R_{th(j-s)} = 4,20 \text{ K/W}$
 FWD thermal model values

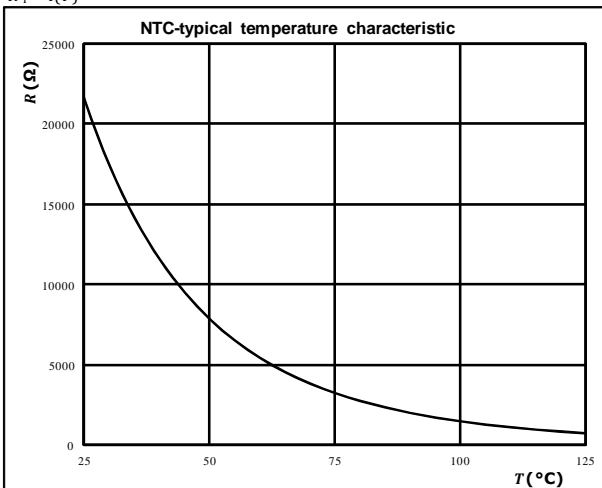
| $R \text{ (K/W)}$ | $\tau \text{ (s)}$ |
|-------------------|--------------------|
| 1,59E-01 | 2,28E+00 |
| 6,49E-01 | 1,47E-01 |
| 9,61E-01 | 3,33E-02 |
| 9,96E-01 | 6,52E-03 |
| 7,19E-01 | 1,27E-03 |
| 7,17E-01 | 1,89E-04 |

Thermistor Characteristics

Thermistor typical temperature characteristic

Typical NTC characteristic
as a function of temperature

$$R_T = f(T)$$

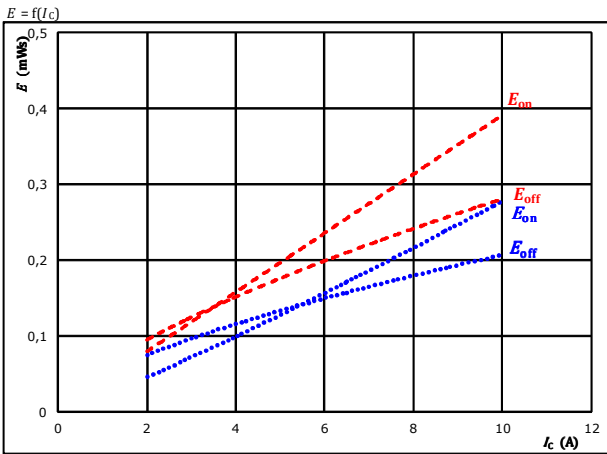




Inverter Switching Characteristics

figure 1. IGBT

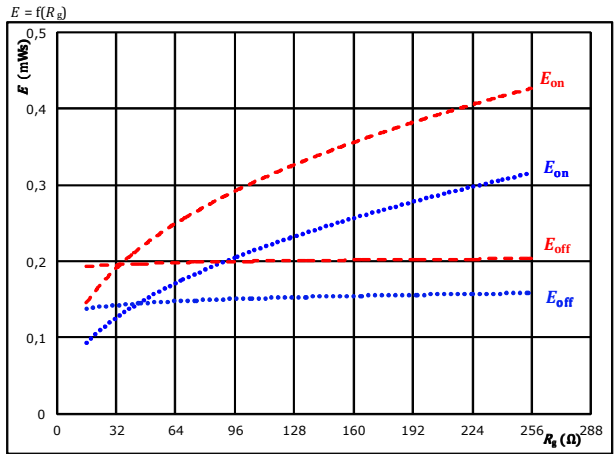
Typical switching energy losses as a function of collector current



With an inductive load at
 $V_{CE} = 300$ V
 $V_{GE} = \pm 15$ V
 $R_{gon} = 64$ Ω
 $R_{goff} = 64$ Ω
 $T_j: 25$ °C (blue dotted), 150 °C (red dashed)

figure 2. IGBT

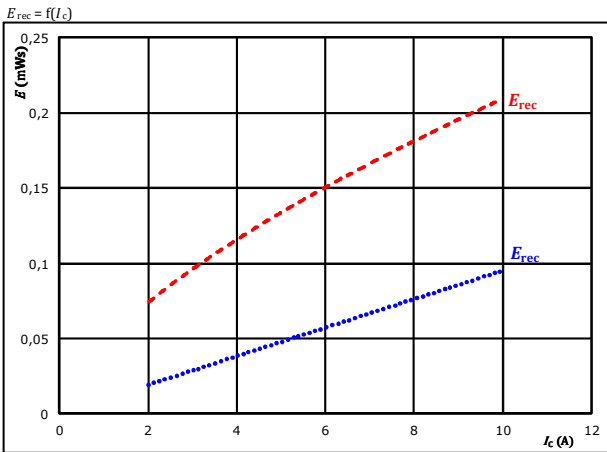
Typical switching energy losses as a function of gate resistor



With an inductive load at
 $V_{CE} = 300$ V
 $V_{GE} = \pm 15$ V
 $I_c = 6$ A
 $T_j: 25$ °C (blue dotted), 150 °C (red dashed)

figure 3. FWD

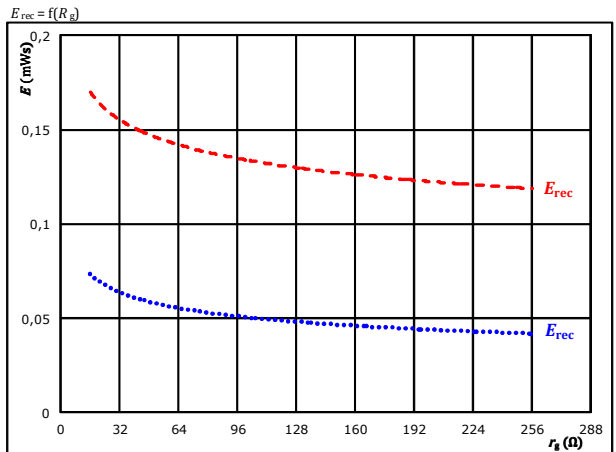
Typical reverse recovered energy loss as a function of collector current



With an inductive load at
 $V_{CE} = 300$ V
 $V_{GE} = \pm 15$ V
 $R_{gon} = 64$ Ω
 $T_j: 25$ °C (blue dotted), 150 °C (red dashed)

figure 4. FWD

Typical reverse recovered energy loss as a function of gate resistor



With an inductive load at
 $V_{CE} = 300$ V
 $V_{GE} = \pm 15$ V
 $I_c = 6$ A
 $T_j: 25$ °C (blue dotted), 150 °C (red dashed)

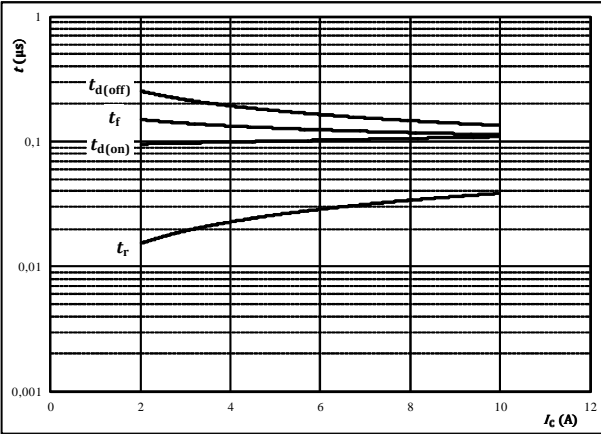


Inverter Switching Characteristics

figure 5. IGBT

Typical switching times as a function of collector current

$$t = f(I_C)$$



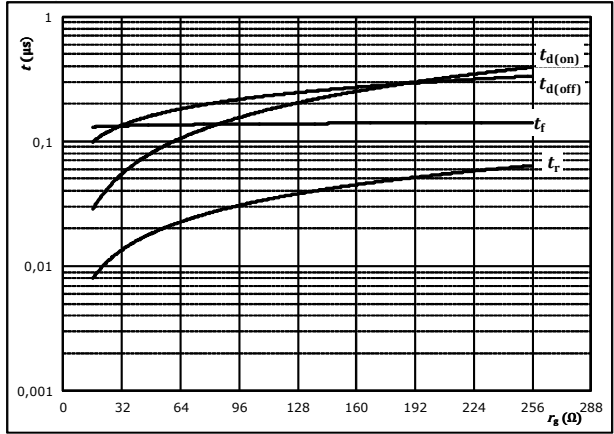
With an inductive load at

| | | |
|--------------|----------|-------------|
| $T_j =$ | 150 | $^{\circ}C$ |
| $V_{CE} =$ | 300 | V |
| $V_{GE} =$ | ± 15 | V |
| $R_{gon} =$ | 64 | Ω |
| $R_{goff} =$ | 64 | Ω |

figure 6. IGBT

Typical switching times as a function of gate resistor

$$t = f(R_g)$$



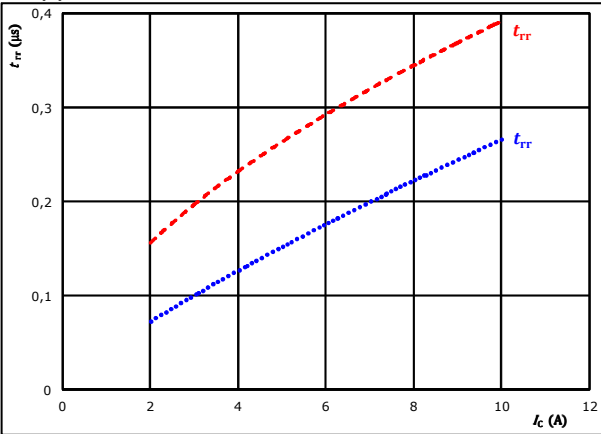
With an inductive load at

| | | |
|------------|----------|-------------|
| $T_j =$ | 150 | $^{\circ}C$ |
| $V_{CE} =$ | 300 | V |
| $V_{GE} =$ | ± 15 | V |
| $I_C =$ | 6 | A |

figure 7. FWD

Typical reverse recovery time as a function of collector current

$$t_{rr} = f(I_C)$$

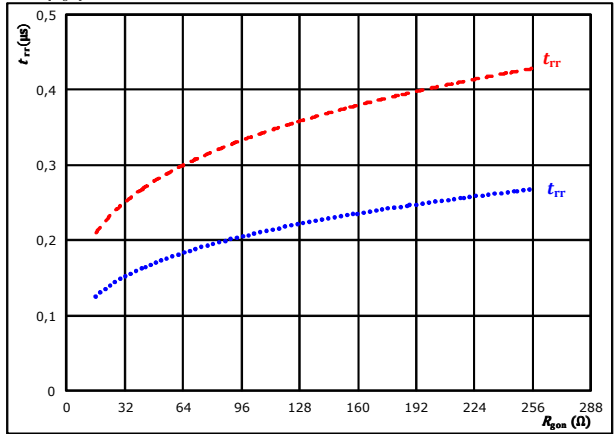


| | | | | | | |
|----|-------------|----------|----------|---------|-----------------|-------|
| At | $V_{CE} =$ | 300 | V | $T_j =$ | 25 $^{\circ}C$ | |
| | $V_{GE} =$ | ± 15 | V | | 150 $^{\circ}C$ | ----- |
| | $R_{gon} =$ | 64 | Ω | | | |

figure 8. FWD

Typical reverse recovery time as a function of IGBT turn on gate resistor

$$t_{rr} = f(R_{gon})$$



| | | | | | | |
|----|------------|----------|---|---------|-----------------|-------|
| At | $V_{CE} =$ | 300 | V | $T_j =$ | 25 $^{\circ}C$ | |
| | $V_{GE} =$ | ± 15 | V | | 150 $^{\circ}C$ | ----- |
| | $I_C =$ | 6 | A | | | |

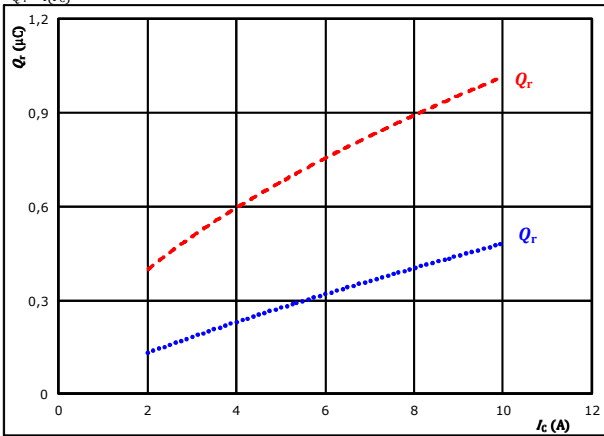


Inverter Switching Characteristics

figure 9. FWD

Typical recovered charge as a function of collector current

$$Q_r = f(I_c)$$

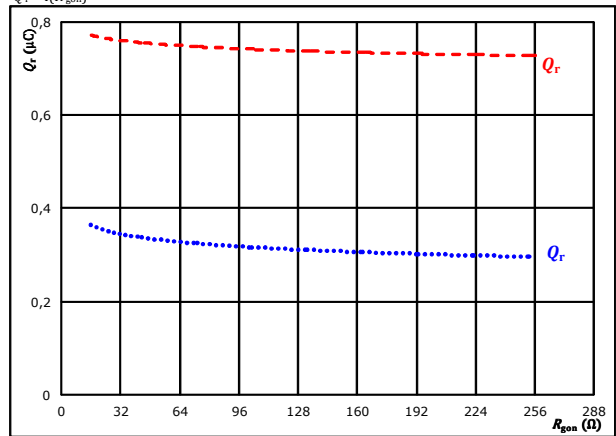


At $V_{CE} = 300$ V
 $V_{GE} = \pm 15$ V
 $R_{gpn} = 64$ Ω
 $T_j = 25$ °C (blue dotted line)
 $T_j = 150$ °C (red dashed line)

figure 10. FWD

Typical recovered charge as a function of IGBT turn on gate resistor

$$Q_r = f(R_{gpn})$$

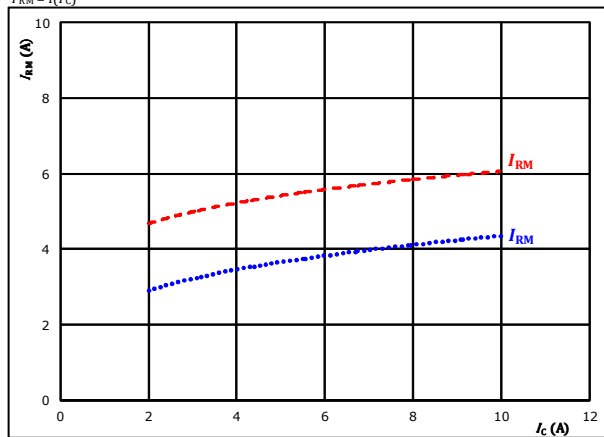


At $V_{CE} = 300$ V
 $V_{GE} = \pm 15$ V
 $I_c = 6$ A
 $T_j = 25$ °C (blue dotted line)
 $T_j = 150$ °C (red dashed line)

figure 11. FWD

Typical peak reverse recovery current current as a function of collector current

$$I_{RM} = f(I_c)$$

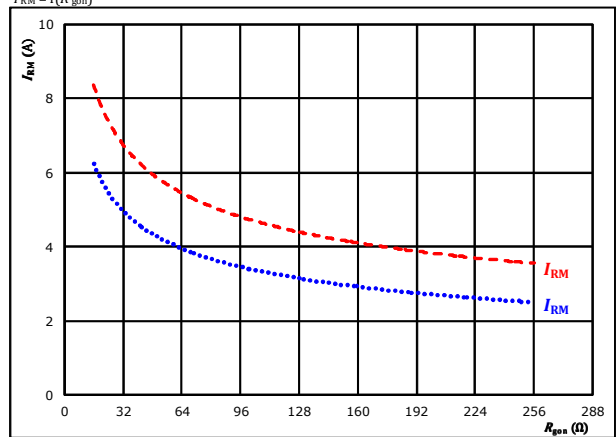


At $V_{CE} = 300$ V
 $V_{GE} = \pm 15$ V
 $R_{gpn} = 64$ Ω
 $T_j = 25$ °C (blue dotted line)
 $T_j = 150$ °C (red dashed line)

figure 12. FWD

Typical peak reverse recovery current current as a function of IGBT turn on gate resistor

$$I_{RM} = f(R_{gpn})$$



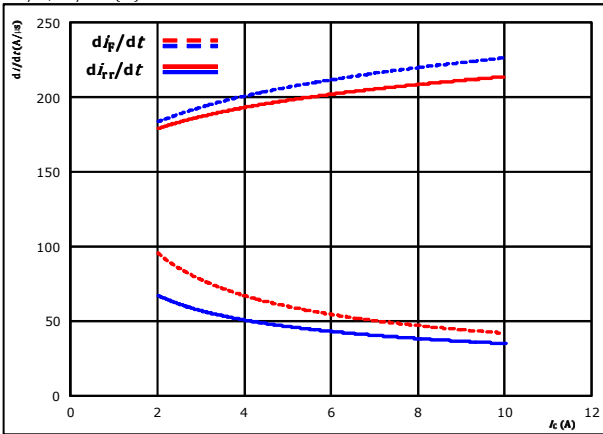
At $V_{CE} = 300$ V
 $V_{GE} = \pm 15$ V
 $I_c = 6$ A
 $T_j = 25$ °C (blue dotted line)
 $T_j = 150$ °C (red dashed line)



Inverter Switching Characteristics

figure 13. FWD

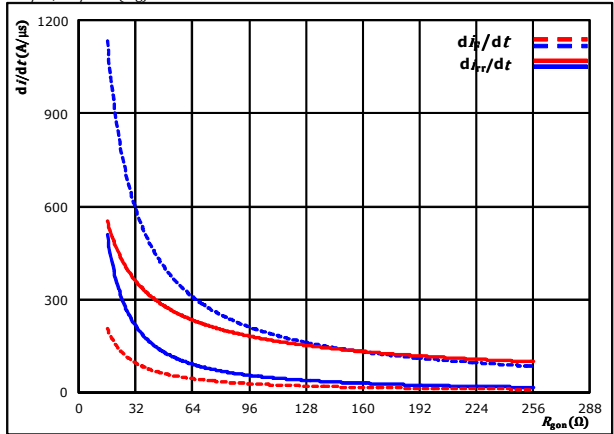
Typical rate of fall of forward and reverse recovery current as a function of collector current
 $di_f/dt, di_{rr}/dt = f(I_c)$



At $V_{CE} = 300$ V $T_j = 25$ °C
 $V_{GE} = \pm 15$ V $T_j = 150$ °C - - - - -
 $R_{gon} = 64$ Ω

figure 14. FWD

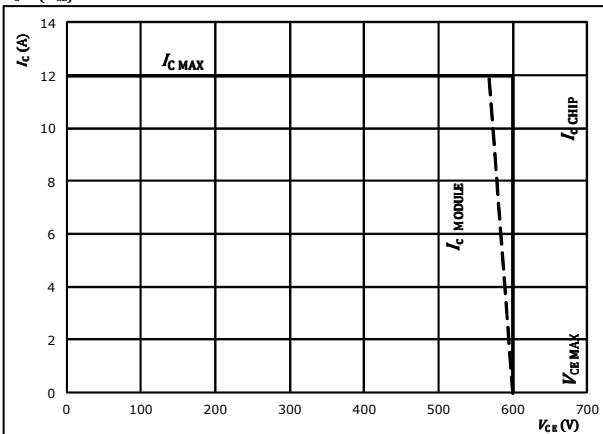
Typical rate of fall of forward and reverse recovery current as a function of IGBT turn on gate resistor
 $di_f/dt, di_{rr}/dt = f(R_{gon})$



At $V_{CE} = 300$ V $T_j = 25$ °C
 $V_{GE} = \pm 15$ V $T_j = 150$ °C - - - - -
 $I_c = 6$ A

figure 15. IGBT

Reverse bias safe operating area
 $I_c = f(V_{CE})$



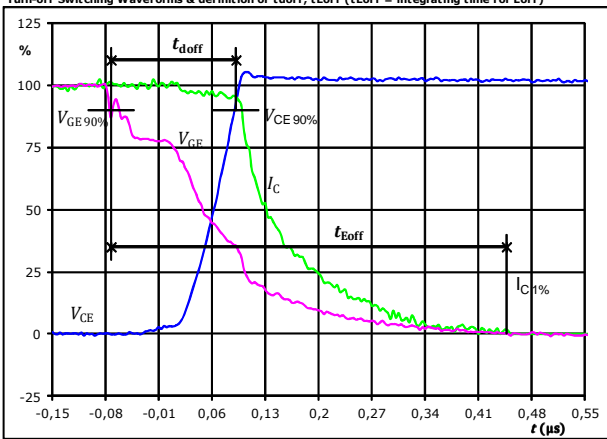
At $T_j = 175$ °C
 $R_{gon} = 64$ Ω
 $R_{goff} = 64$ Ω



Inverter Switching Characteristics

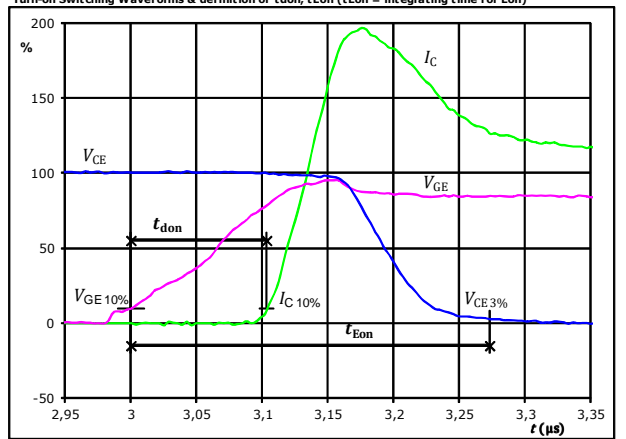
| | | |
|------------|---|-------------|
| T_j | = | 150 °C |
| R_{gon} | = | 64 Ω |
| R_{goff} | = | 64 Ω |

figure 1. IGBT
Turn-off Switching Waveforms & definition of t_{doff} , t_{Eoff} (t_{Eoff} = integrating time for E_{off})



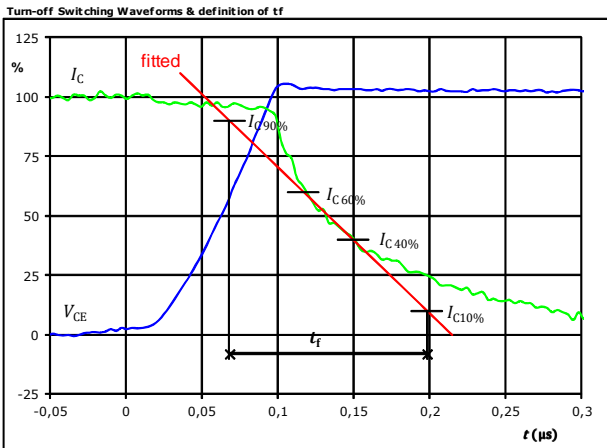
| | | |
|-------------------|-------|---------|
| $V_{GE}(0\%) =$ | -15 | V |
| $V_{GE}(100\%) =$ | 15 | V |
| $V_C(100\%) =$ | 310 | V |
| $I_C(100\%) =$ | 6 | A |
| $t_{doff} =$ | 0,164 | μs |
| $t_{Eoff} =$ | 0,519 | μs |

figure 2. IGBT
Turn-on Switching Waveforms & definition of t_{don} , t_{Eon} (t_{Eon} = integrating time for E_{on})



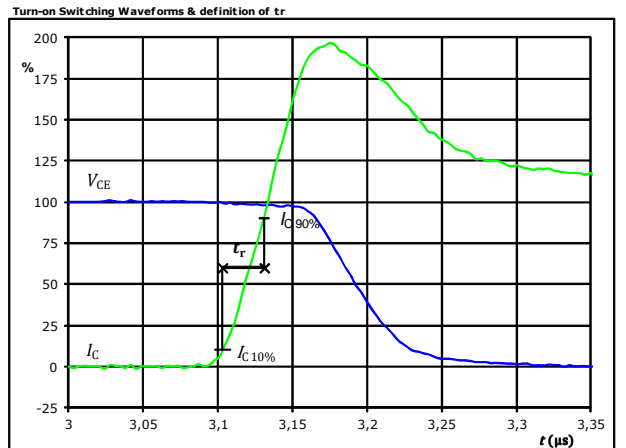
| | | |
|-------------------|-------|---------|
| $V_{GE}(0\%) =$ | -15 | V |
| $V_{GE}(100\%) =$ | 15 | V |
| $V_C(100\%) =$ | 310 | V |
| $I_C(100\%) =$ | 6 | A |
| $t_{don} =$ | 0,102 | μs |
| $t_{Eon} =$ | 0,273 | μs |

figure 3. IGBT
Turn-off Switching Waveforms & definition of t_f



| | | |
|----------------|-------|---------|
| $V_C(100\%) =$ | 310 | V |
| $I_C(100\%) =$ | 6 | A |
| $t_f =$ | 0,132 | μs |

figure 4. IGBT
Turn-on Switching Waveforms & definition of t_r



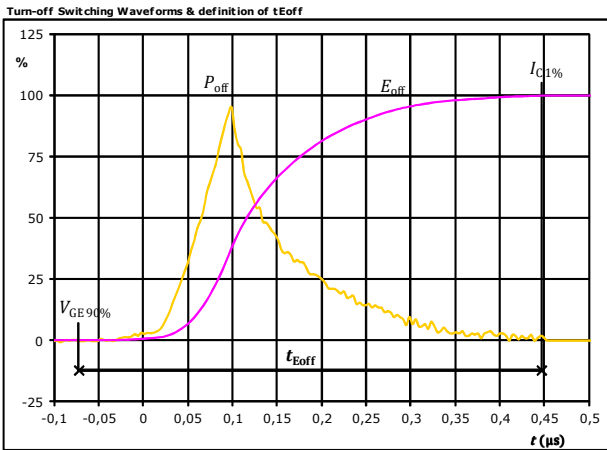
| | | |
|----------------|-------|---------|
| $V_C(100\%) =$ | 310 | V |
| $I_C(100\%) =$ | 6 | A |
| $t_r =$ | 0,028 | μs |



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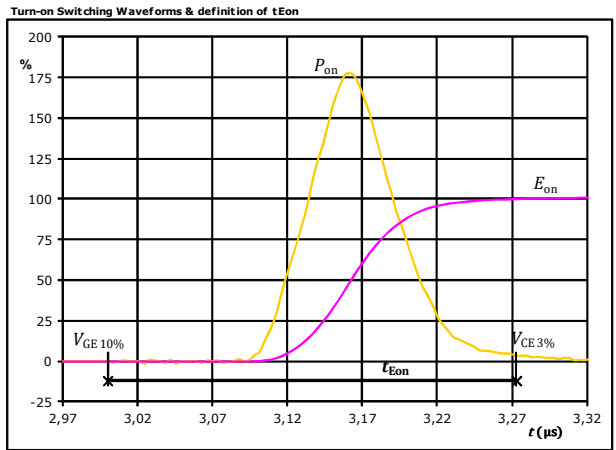
Inverter Switching Characteristics

figure 5. IGBT



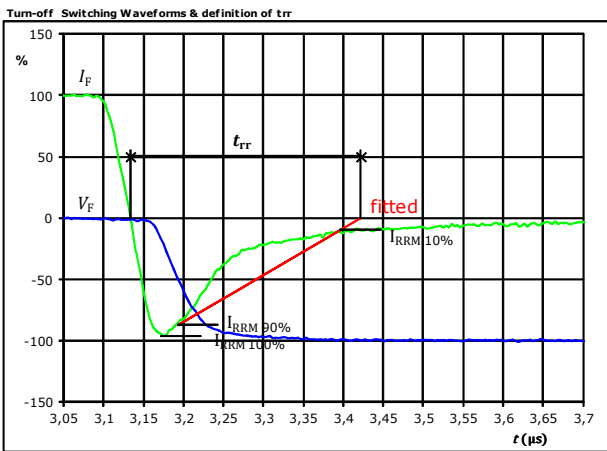
$P_{off}(100\%) = 1,86$ kW
 $E_{off}(100\%) = 0,19$ mJ
 $t_{Eoff} = 0,519$ µs

figure 6. IGBT



$P_{on}(100\%) = 1,86$ kW
 $E_{on}(100\%) = 0,23$ mJ
 $t_{Eon} = 0,27$ µs

figure 7. FWD



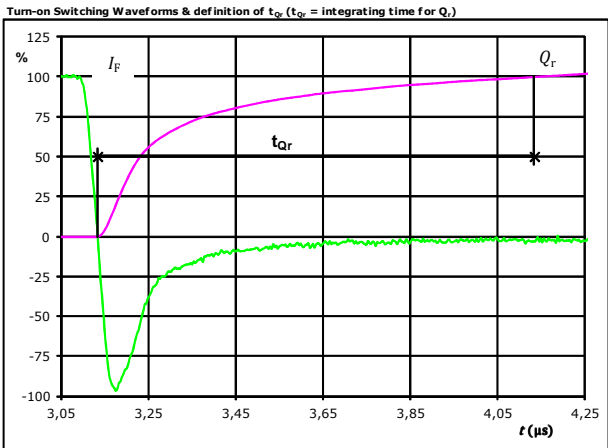
$V_F(100\%) = 310$ V
 $I_F(100\%) = 6$ A
 $I_{RRM}(100\%) = -6$ A
 $t_{rr} = 0,288$ µs



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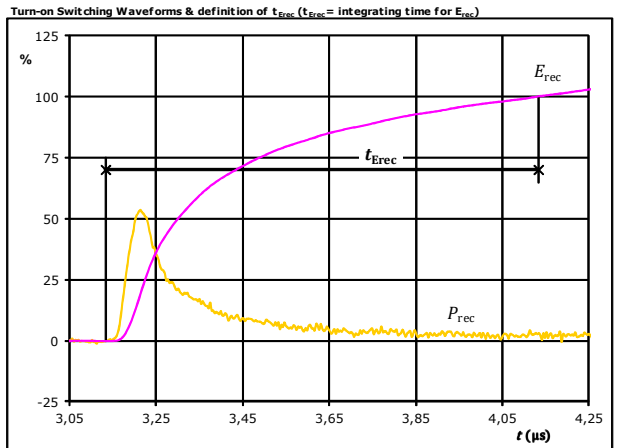
Inverter Switching Characteristics

figure 8. FWD



| | | |
|----------------|------|---------------|
| I_F (100%) = | 6 | A |
| Q_r (100%) = | 0,78 | μC |
| t_{Qr} = | 1,00 | μs |

figure 9. FWD



| | | |
|--------------------|------|---------------|
| P_{rec} (100%) = | 1,86 | kW |
| E_{rec} (100%) = | 0,16 | mJ |
| t_{Erec} = | 1,00 | μs |



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| Ordering Code & Marking | | | | | | |
|---|----------------------|------------|-------------------------|-----------|-----------|-----------|
| Version | | | Ordering Code | | | |
| without thermal paste 17mm housing with solder pins | | | 10-0B066PA006SB-M992F09 | | | |
| | | | | | | |
| Text | Name | | Type&Ver | Date code | VIN & Lot | Serial&UL |
| | NN-MNNNNNNNNNNNNNNNN | | TTTTTTTVV | WWYY | VIN LLLLL | SSSS UL |
| Datamatrix | Type&Ver | Lot number | Serial | Date code | | |
| | TTTTTTTVV | LLLLL | SSSS | WWYY | | |

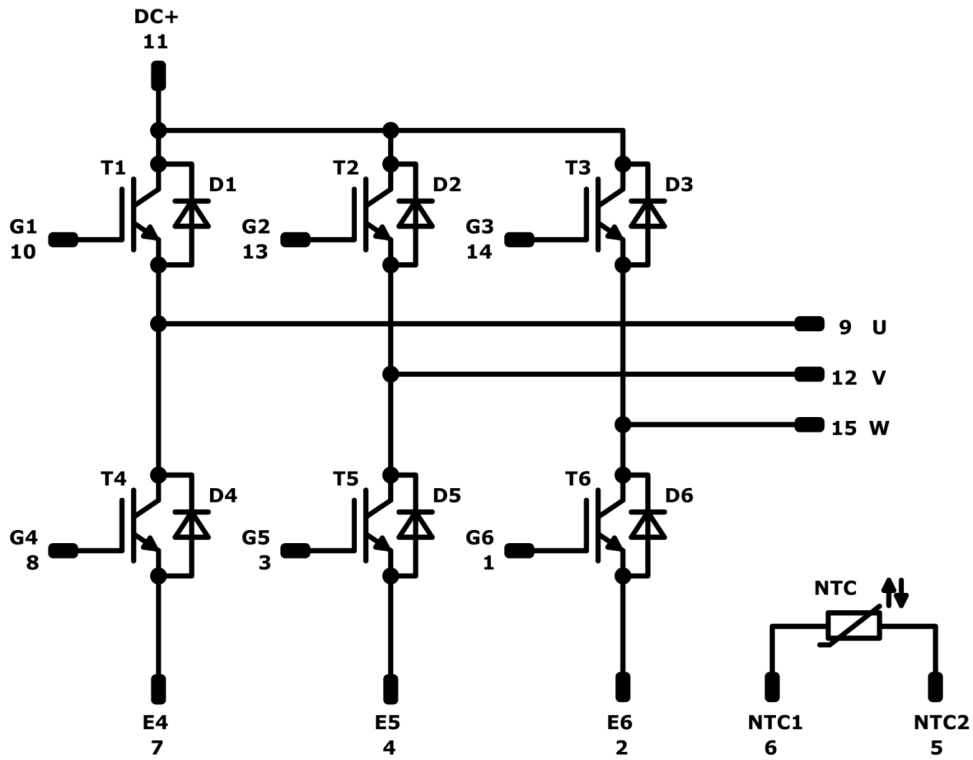
| Pin table [mm] | | | |
|----------------|------|------|----------|
| Pin | X | Y | Function |
| 1 | 27,8 | 0 | G6 |
| 2 | 24,9 | 0 | E6 |
| 3 | 19,1 | 0 | G5 |
| 4 | 16,2 | 0 | E5 |
| 5 | 11,6 | 0 | NTC2 |
| 6 | 7,6 | 0 | NTC1 |
| 7 | 2,9 | 0 | E4 |
| 8 | 0 | 0 | G4 |
| 9 | 0 | 13,7 | U |
| 10 | 2,9 | 13,7 | G1 |
| 11 | 8,8 | 13,7 | DC+ |
| 12 | 14,6 | 13,7 | V |
| 13 | 17,5 | 13,7 | G2 |
| 14 | 24,9 | 13,7 | G3 |
| 15 | 27,8 | 13,7 | W |

Tolerance of pinpositions ±0,5mm at the end of pins
Dimension of coordinate axis is only offset without tolerance
PCB cutouts and holes see in handling instruction document



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Pinout



Identification

| ID | Component | Voltage | Current | Function | Comment |
|-------------------|------------|---------|---------|-----------------|---------|
| T1,T2,T3,T4,T5,T6 | IGBT | 600 V | 6 A | Inverter Switch | |
| D1,D2,D3,D4,D5,D6 | FWD | 600 V | 6 A | Inverter Diode | |
| NTC | Thermistor | | | Thermistor | |




Vincotech

| Packaging instruction | | | |
|-----------------------------------|------------|------|----------|
| Standard packaging quantity (SPQ) | 160 | >SPQ | Standard |
| | | <SPQ | Sample |

| Handling instruction |
|--|
| Handling instructions for <i>flow0</i> B packages see vincotech.com website. |

| Package data |
|---|
| Package data for <i>flow0</i> B packages see vincotech.com website. |

| UL recognition and file number |
|---|
| This device is certified according to UL 1557 standard, UL file number E192116. For more information see vincotech.com website.  |

| Document No.: | Date: | Modification: | Pages |
|-------------------------------|--------------|---------------|-------|
| 10-0B066PA006SB-M992F09-D3-14 | 23 Jun. 2017 | | |

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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.