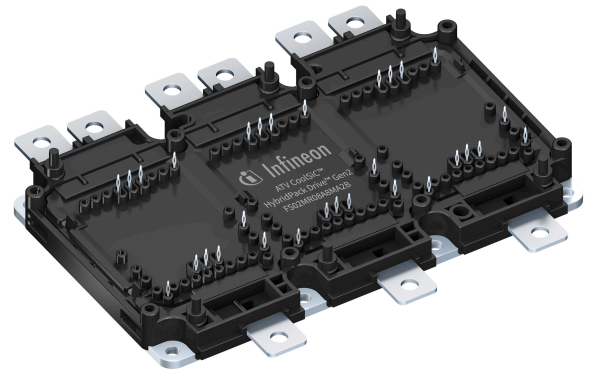


Final datasheet
HybridPACK™ Drive G2 module with SiC MOSFET

Features

- Electrical features
 - $V_{DSS} = 750\text{ V}$
 - $I_{D,nom} = 530\text{ A} / I_{D,pulse} = 1325\text{ A}$
 - New semiconductor material - silicon carbide
 - Low $R_{DS,on}$
 - Low switching losses
 - Low Q_g and C_{rSS}
 - Low inductive design
 - $T_{vj,op} = 175^\circ\text{C}$
 - Short-time extended operation temperature $T_{vj,op} = 200^\circ\text{C}$
- Mechanical features
 - 4.25 kV DC 1 second insulation
 - High creepage and clearance distances
 - Compact design
 - High power density
 - Direct-cooled PinFin base plate
 - High-performance Si_3N_4 ceramic
 - Guiding elements for PCB and cooler assembly
 - Integrated temperature sensing diode
 - PressFIT contact technology
 - RoHS compliant, lead-free
 - UL 94 V0 module frame



Potential applications

- Automotive applications
- (Hybrid) electrical vehicles (H)EV
- Motor drives
- Commercial, construction and agricultural vehicles (CAV)

Product validation

- Qualified according to AQG 324, release no.: 03.1/2021

Description

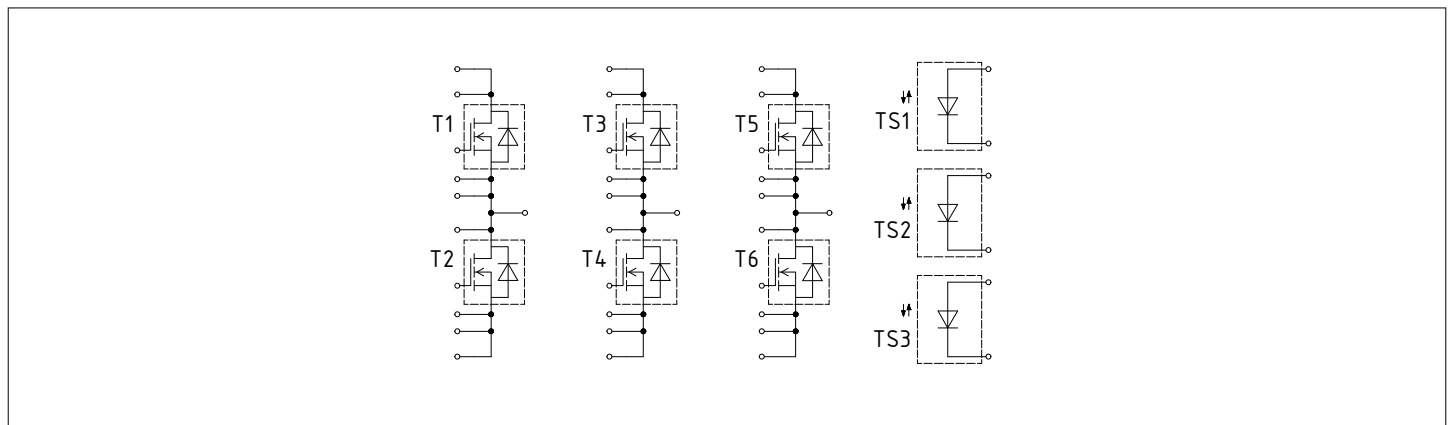


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1 Package

Table 1 Insulation coordination

| Parameter | Symbol | Note or test condition | Values | Unit |
|------------------------------|-------------|---------------------------------------|--------------------------------|------|
| Isolation test voltage | V_{ISOL} | RMS, $f = 0$ Hz, $t = 1$ sec | 4.25 | kV |
| Material of module baseplate | | | Cu+Ni ¹⁾ | |
| Internal insulation | | basic insulation (class 1, IEC 61140) | Si ₃ N ₄ | |
| Creepage distance | d_{creep} | terminal to heatsink | 9.5 | mm |
| Creepage distance | d_{creep} | terminal to terminal | 9.5 | mm |
| Clearance | d_{clear} | terminal to heatsink | 4.5 | mm |
| Clearance | d_{clear} | terminal to terminal | 4.5 | mm |
| Comparative tracking index | CTI | | > 175 | |

1) Ni plated Cu baseplate

Table 2 Maximum rated values

| Parameter | Symbol | Note or test condition | Values | | | Unit |
|---|-------------|------------------------|--------|------|------|------|
| | | | Min. | Typ. | Max. | |
| Maximum RMS module terminal current | $I_{t,rms}$ | $T_{Ct} = 125$ °C | 800 | | | A |
| Heat-staking dome temperature ¹⁾ | T_{HS} | $t_{steking} < 10$ s | | | 280 | °C |

1) Heat-staking according to application note AN-G2-ASSEMBLY.

Table 3 Characteristic values

| Parameter | Symbol | Note or test condition | Values | | | Unit |
|---|---------------|---|-------------------|------------------|------|------|
| | | | Min. | Typ. | Max. | |
| Pressure drop in cooling circuit | Δp | 50% water / 50% ethylene glycol, $\Delta V/\Delta t = 10$ dm ³ /min, $T_f = 60$ °C | | 76 ¹⁾ | | mbar |
| Maximum pressure in cooling circuit | p | $T_{baseplate} < 40$ °C (relative pressure) | | | 3.0 | bar |
| | | $T_{baseplate} \geq 40$ °C (relative pressure) | | | 2.5 | |
| Stray inductance module | $L_{s,DS}$ | | | 8.0 | | nH |
| Module lead resistance, terminals - chip | $R_{DD'+SS'}$ | $T_f = 25$ °C, per switch | | 0.64 | | mΩ |
| Storage temperature | T_{stg} | | -40 ²⁾ | | 125 | °C |
| Mounting torque for module mounting ³⁾ | M | Screw M4 baseplate to heatsink | 1.8 | 2.0 | 2.2 | Nm |
| | | Screw EJOT Delta PCB to frame | 0.45 | 0.5 | 0.55 | |
| Weight | G | | | 760 | | g |

1) Cooler design and flow direction according to application note AN-G2-ASSEMBLY

- 2) Verified by design, not by test
- 3) Screw types and torque according to application note AN-G2-ASSEMBLY

2 MOSFET

Table 4 Maximum rated values

| Parameter | Symbol | Note or test condition | Values | Unit | |
|---|---------------|---|------------------------------|--------|---|
| Drain-source voltage | V_{DSS} | | continuous operation | 750 | V |
| | | | 10h over lifetime | 900 | |
| DC drain current | $I_{D,nom}$ | $V_{GS} = 18\text{ V}$, $T_f = 65\text{ °C}$ | $T_{vj,max} = 175\text{ °C}$ | 530 | A |
| Pulsed drain current | $I_{D,pulse}$ | verified by design, t_p limited by $T_{vj,max}$ | | 1325 | A |
| Gate-source voltage, max. static voltage | V_{GS} | | | -5/19 | V |
| Gate-source voltage, max. transient voltage | V_{GS} | Duty Cycle < 1 % (first transient maximum peak) | | -10/23 | V |

Table 5 Recommended values

| Parameter | Symbol | Note or test condition | Values | Unit |
|------------------------|---------------|------------------------|---------|------|
| On-state gate voltage | $V_{GS(on)}$ | | 15...18 | V |
| Off-state gate voltage | $V_{GS(off)}$ | | -5 | V |

Table 6 Characteristic values

| Parameter | Symbol | Note or test condition | Values | | | Unit | |
|----------------------------|-------------|--|--------------------------|--------------------|------|------|----|
| | | | Min. | Typ. | Max. | | |
| Drain-source on-resistance | $R_{DS,on}$ | $I_D = 530\text{ A}$, $V_{GS} = 18\text{ V}$ | $T_{vj} = 25\text{ °C}$ | | 1.31 | 2.00 | mΩ |
| | | | $T_{vj} = 125\text{ °C}$ | | 1.86 | | |
| | | | $T_{vj} = 175\text{ °C}$ | | 2.32 | | |
| | | | $T_{vj} = 200\text{ °C}$ | | 2.58 | | |
| Drain-source on-resistance | $R_{DS,on}$ | $I_D = 530\text{ A}$, $V_{GS} = 15\text{ V}$ | $T_{vj} = 25\text{ °C}$ | | 1.62 | 2.70 | mΩ |
| | | | $T_{vj} = 125\text{ °C}$ | | 2.06 | | |
| | | | $T_{vj} = 175\text{ °C}$ | | 2.52 | | |
| | | | $T_{vj} = 200\text{ °C}$ | | 2.77 | | |
| Gate threshold voltage | $V_{GS,th}$ | $I_D = 160\text{ mA}$, $V_{GS} = V_{DS}$, (tested after 1ms pulse at $V_{GS} = +20\text{ V}$) | $T_{vj} = 25\text{ °C}$ | 3.20 ¹⁾ | 3.90 | 4.55 | V |
| Total gate charge | Q_G | $V_{DS} = 470\text{ V}$, $V_{GS} = -5/18\text{ V}$ | | | 1.20 | | μC |
| Internal gate resistor | $R_{G,int}$ | | $T_{vj} = 25\text{ °C}$ | | 0.66 | | Ω |
| Input capacitance | C_{iss} | $f = 1\text{ MHz}$, $V_{DS} = 470\text{ V}$ | $T_{vj} = 25\text{ °C}$ | | 34 | | nF |

(table continues...)

Table 6 (continued) Characteristic values

| Parameter | Symbol | Note or test condition | Values | | | Unit |
|-------------------------------------|-------------|---|---|------|------|------|
| | | | Min. | Typ. | Max. | |
| Output capacitance | C_{OSS} | $f = 1 \text{ MHz}, V_{DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | 2.28 | | nF |
| Reverse transfer capacitance | C_{RSS} | $f = 1 \text{ MHz}, V_{DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | 0.2 | | nF |
| C_{OSS} stored energy | E_{OSS} | $V_{DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | 1000 | | μJ |
| Drain-source leakage current | I_{DSX} | $V_{GS} = -5 \text{ V}, V_{DSS} = 750 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | | 660 | μA |
| Gate-source leakage current | I_{GSS} | $V_{GS} = 20 \text{ V}, V_{DS} = 0 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | | 100 | nA |
| Turn-on delay time, inductive load | $t_{d,on}$ | $I_D = 530 \text{ A}, R_{G,on} = 11 \text{ } \Omega, V_{GS} = -5/18 \text{ V}, V_{DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | 114 | | ns |
| | | | $T_{vj} = 125 \text{ °C}$ | 90 | | |
| | | | $T_{vj} = 175 \text{ °C}$ | 83 | | |
| | | | $T_{vj} = 200 \text{ °C}$ | 79 | | |
| Rise time (inductive load) | t_r | $I_D = 530 \text{ A}, R_{G,on} = 11 \text{ } \Omega, V_{GS} = -5/18 \text{ V}, V_{DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | 96 | | ns |
| | | | $T_{vj} = 125 \text{ °C}$ | 92 | | |
| | | | $T_{vj} = 175 \text{ °C}$ | 91 | | |
| | | | $T_{vj} = 200 \text{ °C}$ | 90 | | |
| Turn-off delay time, inductive load | $t_{d,off}$ | $I_D = 530 \text{ A}, R_{G,off} = 7.5 \text{ } \Omega, V_{GS} = -5/18 \text{ V}, V_{DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | 338 | | ns |
| | | | $T_{vj} = 125 \text{ °C}$ | 363 | | |
| | | | $T_{vj} = 175 \text{ °C}$ | 377 | | |
| | | | $T_{vj} = 200 \text{ °C}$ | 384 | | |
| Fall time (inductive load) | t_f | $I_D = 530 \text{ A}, R_{G,off} = 7.5 \text{ } \Omega, V_{GS} = -5/18 \text{ V}, V_{DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ °C}$ | 58 | | ns |
| | | | $T_{vj} = 125 \text{ °C}$ | 63 | | |
| | | | $T_{vj} = 175 \text{ °C}$ | 66 | | |
| | | | $T_{vj} = 200 \text{ °C}$ | 67 | | |
| Turn-on energy loss per pulse | E_{on} | $I_D = 530 \text{ A}, R_{G,on} = 11 \text{ } \Omega, V_{GS} = -5/18 \text{ V}, V_{DS} = 470 \text{ V}, L_\sigma = 6.5 \text{ nH}$ | $T_{vj} = 25 \text{ °C}, di/dt = 4.4 \text{ kA}/\mu\text{s}$ | 22.8 | | mJ |
| | | | $T_{vj} = 125 \text{ °C}, di/dt = 4.6 \text{ kA}/\mu\text{s}$ | 22.4 | | |
| | | | $T_{vj} = 175 \text{ °C}, di/dt = 4.7 \text{ kA}/\mu\text{s}$ | 22.3 | | |
| | | | $T_{vj} = 200 \text{ °C}, di/dt = 4.7 \text{ kA}/\mu\text{s}$ | 22.1 | | |

(table continues...)

Table 6 (continued) **Characteristic values**

| Parameter | Symbol | Note or test condition | Values | | | Unit |
|---|--------------------|---|---|------|-------------------|------------------|
| | | | Min. | Typ. | Max. | |
| Turn-off energy loss per pulse | E_{off} | $I_D = 530 \text{ A}, R_{G,off} = 7.5 \Omega, V_{GS} = -5/18 \text{ V}, V_{DS} = 470 \text{ V}, L_\sigma = 6.5 \text{ nH}$ | $T_{vj} = 25 \text{ }^\circ\text{C}, dv/dt = 4.3 \text{ kV}/\mu\text{s}$ | | 23.4 | mJ |
| | | | $T_{vj} = 125 \text{ }^\circ\text{C}, dv/dt = 4.2 \text{ kV}/\mu\text{s}$ | | 24.5 | |
| | | | $T_{vj} = 175 \text{ }^\circ\text{C}, dv/dt = 4.2 \text{ kV}/\mu\text{s}$ | | 25.0 | |
| | | | $T_{vj} = 200 \text{ }^\circ\text{C}, dv/dt = 4.1 \text{ kV}/\mu\text{s}$ | | 25.3 | |
| Short circuit data | I_{SC} | $V_{DD} = 470 \text{ V}, V_{GS} = -5/18 \text{ V}, R_{G,on} = 11 \Omega, R_{G,off} = 7.5 \Omega, V_{DSmax} = V_{DSS} - L_{SDS} \cdot di/dt$ | $t_{SC} < 1.2 \mu\text{s}, T_{vj} = 200 \text{ }^\circ\text{C}$ | | 6300 | A |
| Short circuit data | I_{SC} | $V_{DD} = 470 \text{ V}, V_{GS} = -5/15 \text{ V}, R_{G,on} = 11 \Omega, R_{G,off} = 7.5 \Omega, V_{DSmax} = V_{DSS} - L_{SDS} \cdot di/dt$ | $t_{SC} < 2 \mu\text{s}, T_{vj} = 200 \text{ }^\circ\text{C}$ | | 4500 | A |
| Thermal resistance, junction to cooling fluid ²⁾ | $R_{th,j-f}$ | per MOSFET, 50% water / 50% ethylene glycol, $\Delta V/\Delta t = 10 \text{ dm}^3/\text{min}, T_f = 60 \text{ }^\circ\text{C}$ | | | 0.115 | K/W |
| Standard deviation of thermal resistance, junction to cooling fluid ²⁾ | $\sigma_{Rth,j-f}$ | per MOSFET, 50% water / 50% ethylene glycol | | | 1.3 | K/kW |
| Temperature under switching conditions | $T_{vj,op}$ | | continuous operation | -40 | 175 | $^\circ\text{C}$ |
| | | | extended operation | | 200 ³⁾ | |

- 1) At 0h operating time. During inverter operation the value can be lower depending on $T_{vj}, V_{GS(off)}$, (switching frequency) f_{sw} over lifetime. For a final assessment of $V_{GS,th}$ Min. value depending on customer application please contact the Infineon sales office for the necessary technical support by Infineon.
- 2) Cooler design and flow direction according to application note AN-G2-ASSEMBLY. EoL criteria see AQG324, verified by characterization.
- 3) For limitation see QPAC documentation

3 Body diode (MOSFET)

Table 7 **Maximum rated values**

| Parameter | Symbol | Note or test condition | Values | Unit | |
|-------------------------------|-----------|--|---|------|---|
| Drain-source voltage | V_{DSS} | | continuous operation | 750 | V |
| | | | 10h over life time | 900 | |
| DC body diode forward current | $I_{F,S}$ | $V_{GS} = -5 \text{ V}, T_f = 65 \text{ }^\circ\text{C}$ | $T_{vj,max} = 175 \text{ }^\circ\text{C}$ | 181 | A |

(table continues...)

Table 7 (continued) Maximum rated values

| Parameter | Symbol | Note or test condition | Values | Unit |
|---------------------------|-----------------|---|--------|------|
| Pulsed body diode current | $I_{F,S,pulse}$ | verified by design, t_p limited by $T_{vj,max}$ | 1325 | A |

Table 8 Characteristic values

| Parameter | Symbol | Note or test condition | Values | | | Unit | |
|-------------------------------|------------|--|--|------|------|------|---------------|
| | | | Min. | Typ. | Max. | | |
| Forward voltage | $V_{F,SD}$ | $I_{F,S} = 530 \text{ A}, V_{GS} = -5 \text{ V}$ | $T_{vj} = 25 \text{ }^\circ\text{C}$ | | 4.56 | 6.94 | V |
| | | | $T_{vj} = 125 \text{ }^\circ\text{C}$ | | 4.12 | | |
| | | | $T_{vj} = 175 \text{ }^\circ\text{C}$ | | 3.95 | | |
| | | | $T_{vj} = 200 \text{ }^\circ\text{C}$ | | 3.86 | | |
| Peak reverse recovery current | I_{rrm} | $I_{F,S} = 530 \text{ A}, V_{GS} = -5 \text{ V}, V_{R,DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ }^\circ\text{C}$ | | 137 | | A |
| | | | $T_{vj} = 125 \text{ }^\circ\text{C}$ | | 177 | | |
| | | | $T_{vj} = 175 \text{ }^\circ\text{C}$ | | 198 | | |
| | | | $T_{vj} = 200 \text{ }^\circ\text{C}$ | | 204 | | |
| Recovered charge | Q_{rr} | $I_{F,S} = 530 \text{ A}, V_{GS} = -5 \text{ V}, V_{R,DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ }^\circ\text{C}$ | | 2.70 | | μC |
| | | | $T_{vj} = 125 \text{ }^\circ\text{C}$ | | 4.70 | | |
| | | | $T_{vj} = 175 \text{ }^\circ\text{C}$ | | 6.10 | | |
| | | | $T_{vj} = 200 \text{ }^\circ\text{C}$ | | 6.90 | | |
| Reverse recovery energy | E_{rec} | $I_{F,S} = 530 \text{ A}, V_{GS} = -5 \text{ V}, V_{R,DS} = 470 \text{ V}$ | $T_{vj} = 25 \text{ }^\circ\text{C}, -di/dt = 4.4 \text{ kA}/\mu\text{s}$ | | 0.30 | | mJ |
| | | | $T_{vj} = 125 \text{ }^\circ\text{C}, -di/dt = 4.6 \text{ kA}/\mu\text{s}$ | | 0.63 | | |
| | | | $T_{vj} = 175 \text{ }^\circ\text{C}, -di/dt = 4.7 \text{ kA}/\mu\text{s}$ | | 0.86 | | |
| | | | $T_{vj} = 200 \text{ }^\circ\text{C}, -di/dt = 4.7 \text{ kA}/\mu\text{s}$ | | 1.00 | | |

4 Temperature sensor

Table 9 Characteristic values

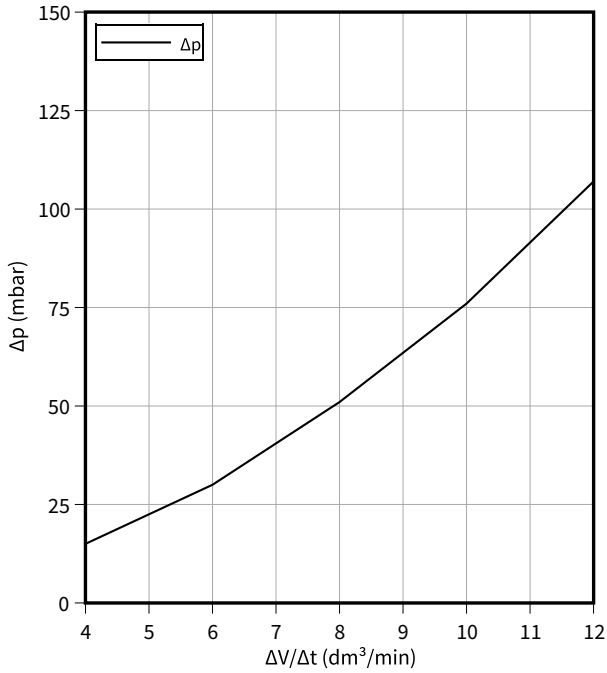
| Parameter | Symbol | Note or test condition | Values | | | Unit |
|-------------------------|----------|---|--------|-------|-------|------|
| | | | Min. | Typ. | Max. | |
| Transient sense current | I_{TS} | | | | 10 | mA |
| Forward voltage | V_{TS} | $I_{TS} = 0.2 \text{ mA}, T_{vj} = 25 \text{ }^\circ\text{C}$ | 2.574 | 2.624 | 2.674 | V |
| | | $I_{TS} = 0.2 \text{ mA}, T_{vj} = 85 \text{ }^\circ\text{C}$ | 2.169 | 2.234 | 2.299 | |

5 Characteristics diagrams

Pressure drop in cooling circuit (typical), Package

$$\Delta p = f(\Delta V/\Delta t)$$

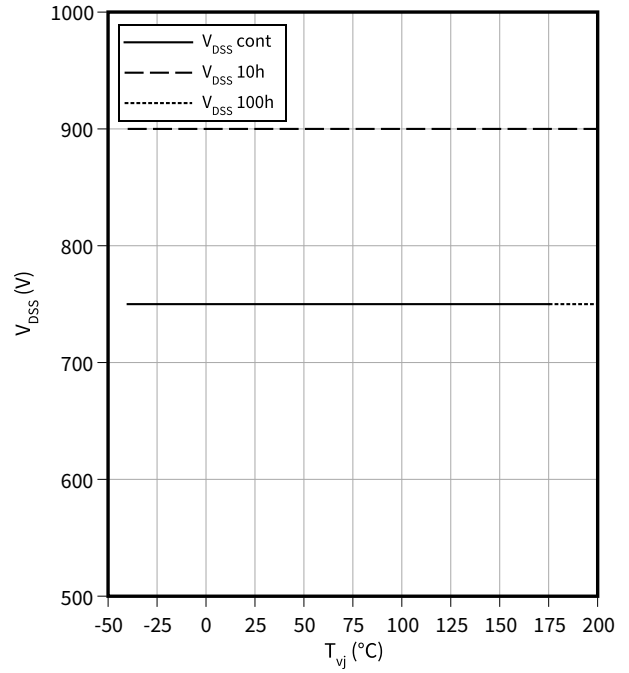
$T_f = 60\text{ °C}$, 50% water / 50% ethylene glycol



Maximum allowed drain-source voltage, MOSFET

$$V_{DSS} = f(T_{vj})$$

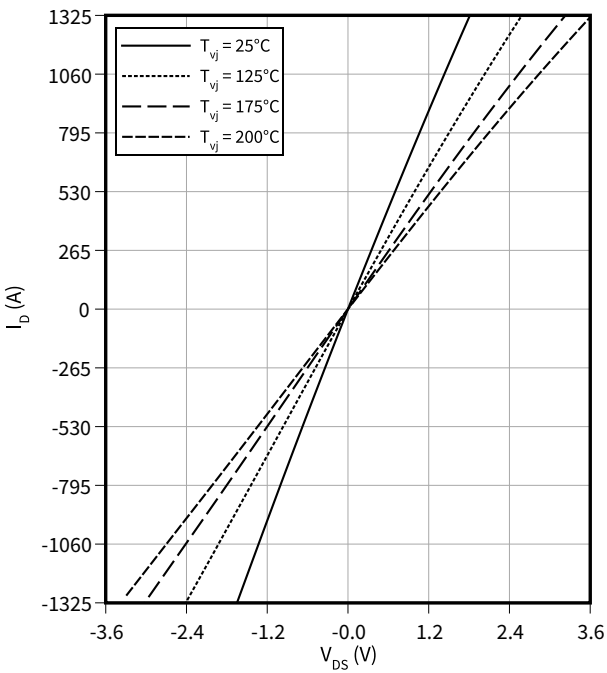
verified by characterization / design, not by test



Output characteristic (typical), MOSFET

$$I_D = f(V_{DS})$$

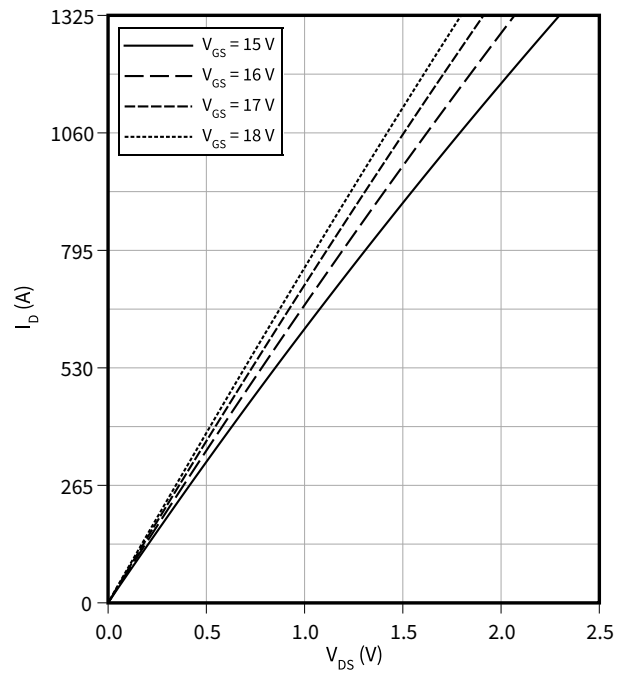
$V_{GS} = 18\text{ V}$



Output characteristic (typical), MOSFET

$$I_D = f(V_{DS})$$

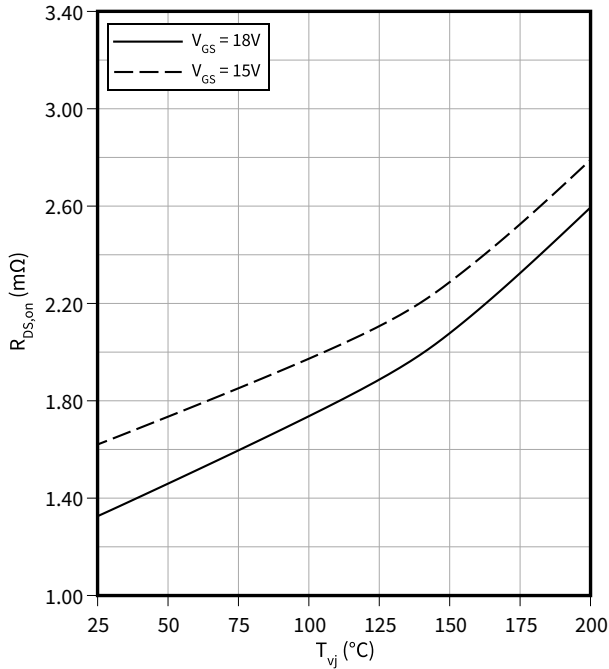
$T_{vj} = 25\text{ °C}$



5 Characteristics diagrams

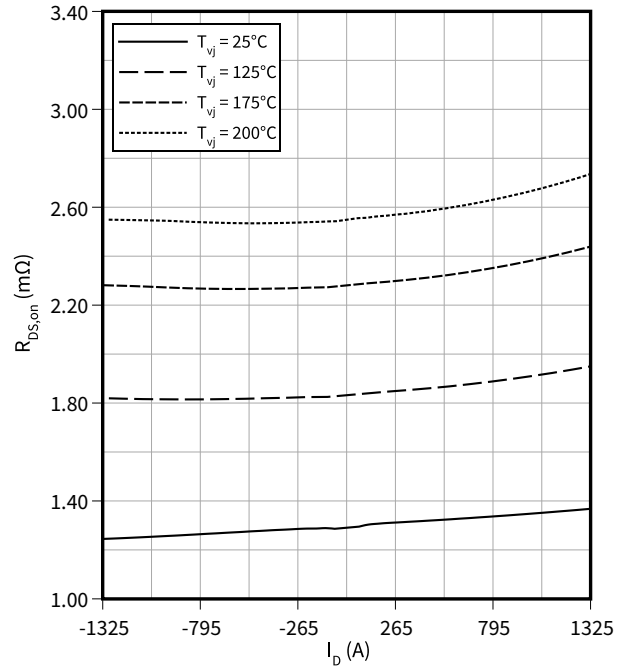
Drain-source on-resistance (typical), MOSFET

$R_{DS,on} = f(T_{vj})$
 $I_D = 530 \text{ A}, V_{GS} = 18 \text{ V}$



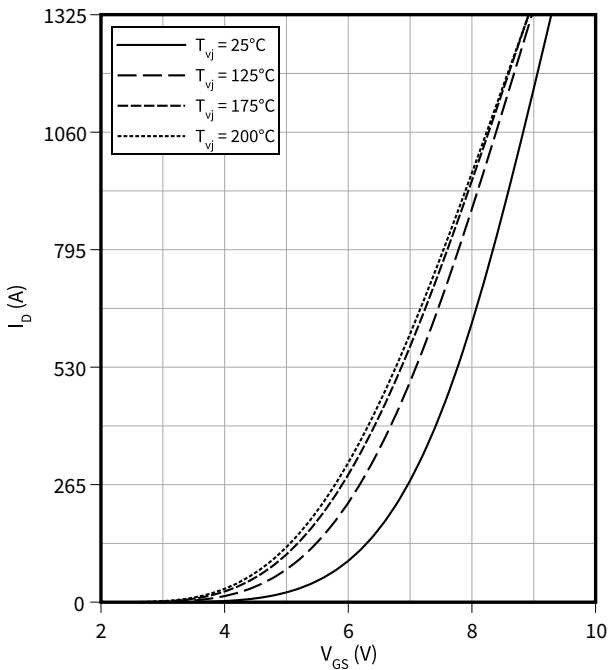
Drain-source on-resistance (typical), MOSFET

$R_{DS,on} = f(I_D)$
 $V_{GS} = 18 \text{ V}$



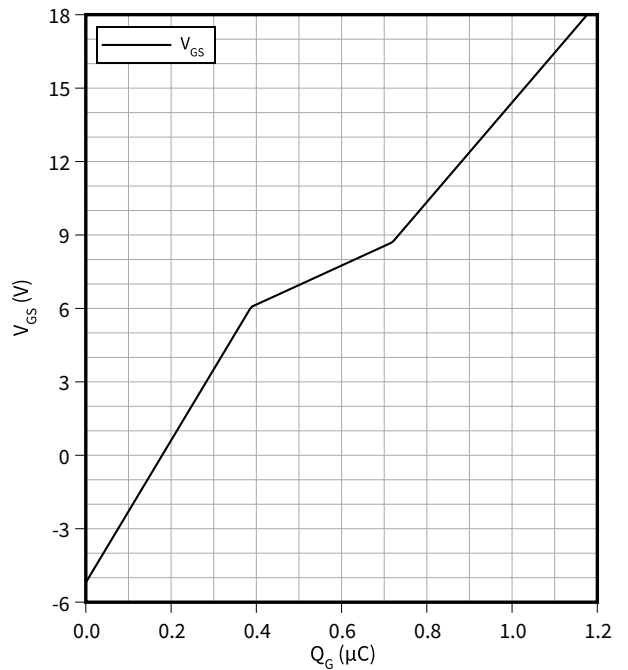
Transfer characteristic (typical), MOSFET

$I_D = f(V_{GS})$
 $V_{DS} = 20 \text{ V}$



Gate charge characteristic (typical), MOSFET

$V_{GS} = f(Q_G)$
 $V_{DD} = 470 \text{ V}, T_{vj} = 25^{\circ}C$

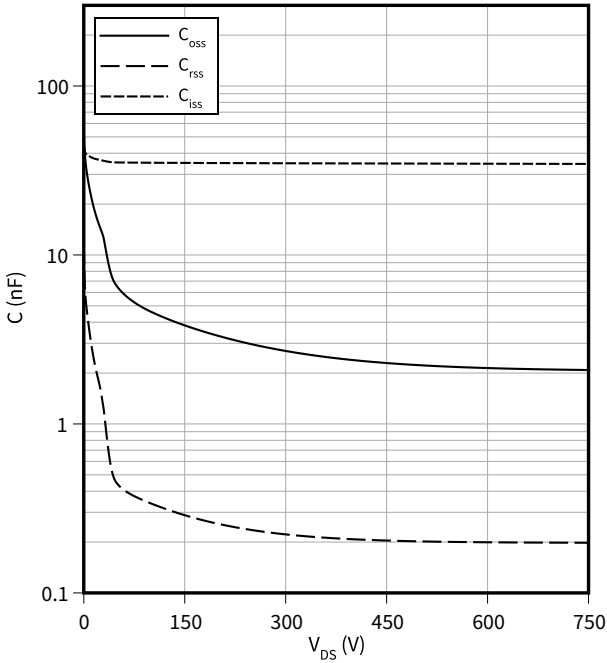


5 Characteristics diagrams

Capacity characteristic (typical), MOSFET

$C = f(V_{DS})$

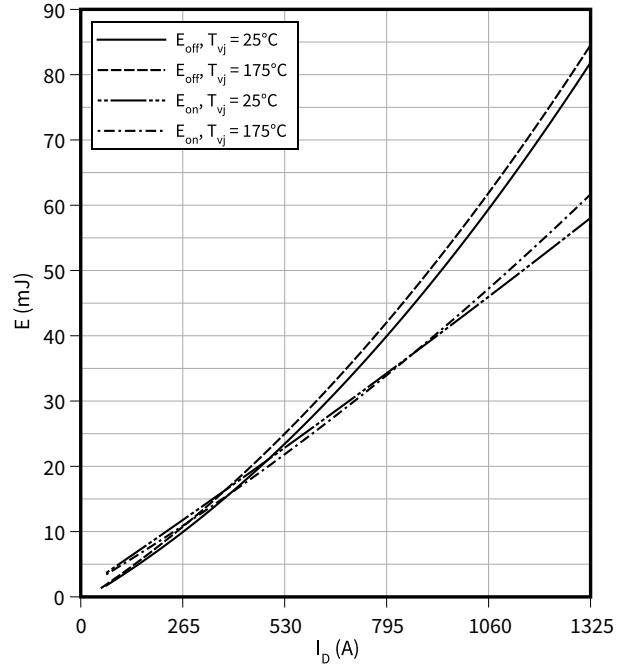
$f = 1 \text{ MHz}, V_{GS} = -5/18 \text{ V}, T_{vj} = 25 \text{ °C}$



Switching losses (typical), MOSFET

$E = f(I_D)$

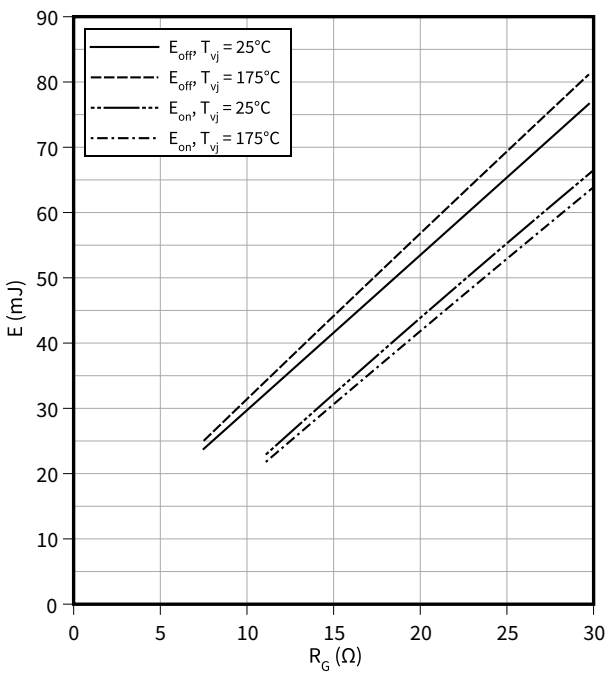
$V_{DS} = 470 \text{ V}, R_{G,off} = 7.5 \text{ } \Omega, R_{G,on} = 11 \text{ } \Omega, V_{GS} = -5/18 \text{ V}$



Switching losses (typical), MOSFET

$E = f(R_G)$

$I_D = 530 \text{ A}, V_{DS} = 470 \text{ V}, V_{GS} = -5/18 \text{ V}$

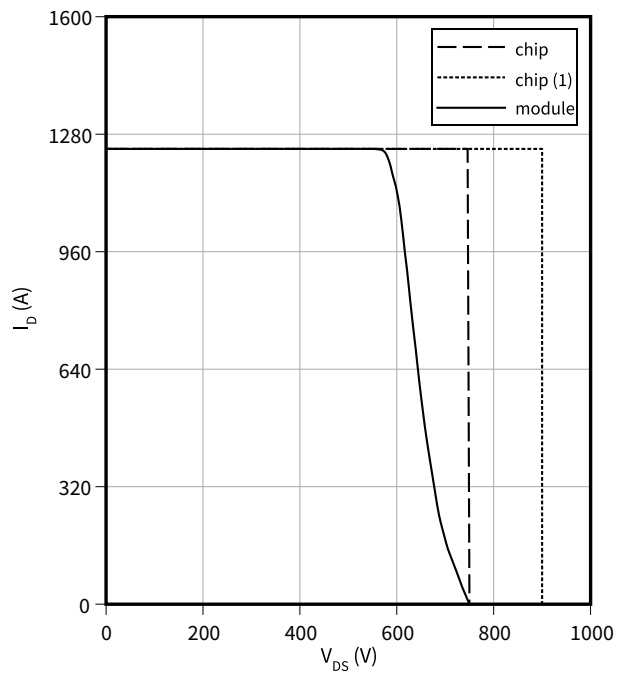


Reverse bias safe operating area (RBSOA), MOSFET

$I_D = f(V_{DS})$

$R_{G,off} = 7.5 \text{ } \Omega, V_{GS} = +18/-5 \text{ V}, T_{vj} = 175 \text{ °C}$

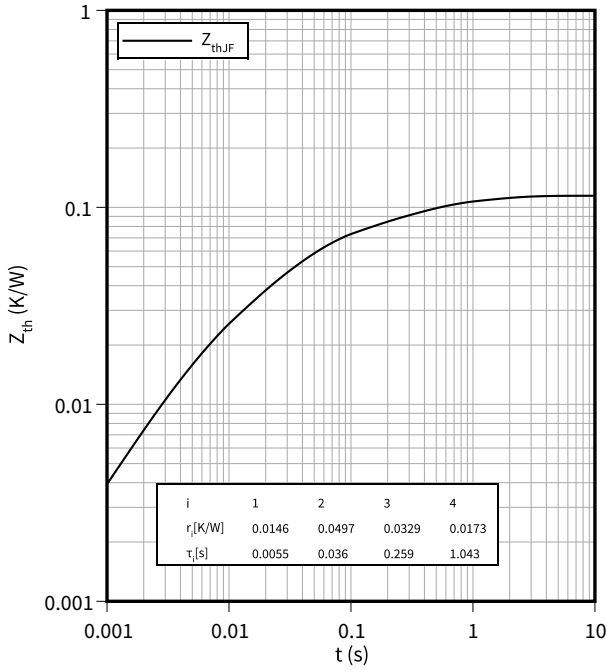
(1) for 10h over lifetime



5 Characteristics diagrams

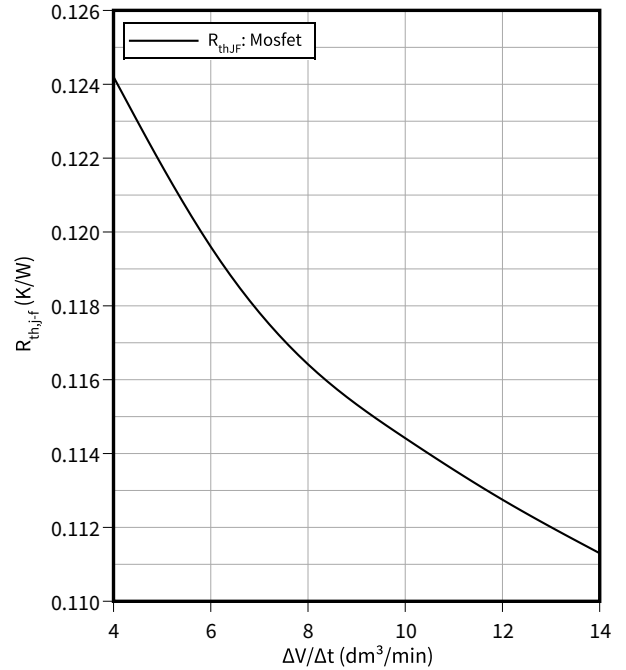
Transient thermal impedance (typical), MOSFET

$Z_{th} = f(t)$
 $\Delta V/\Delta t = 10 \text{ dm}^3/\text{min}$, 50% water/50% ethylene glycol,
 $T_f = 60 \text{ }^\circ\text{C}$



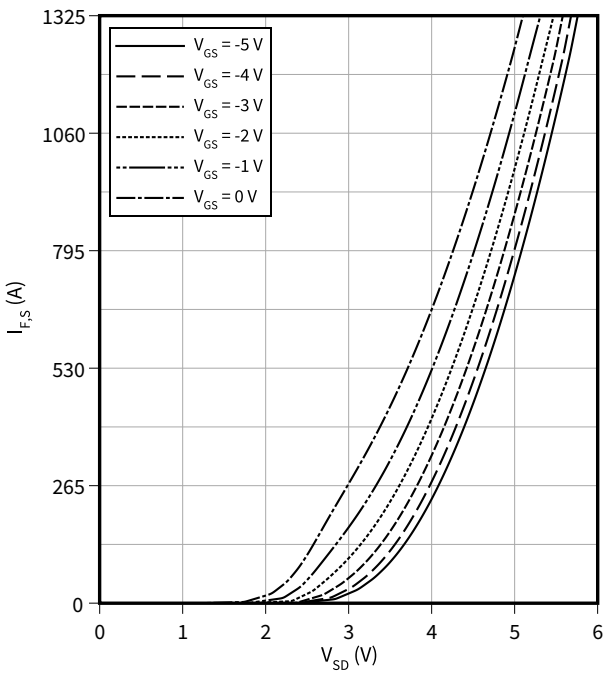
Thermal resistance (typical), MOSFET

$R_{th,j-f} = f(\Delta V/\Delta t)$
 50% water/50% ethylene glycol, $T_f = 60 \text{ }^\circ\text{C}$



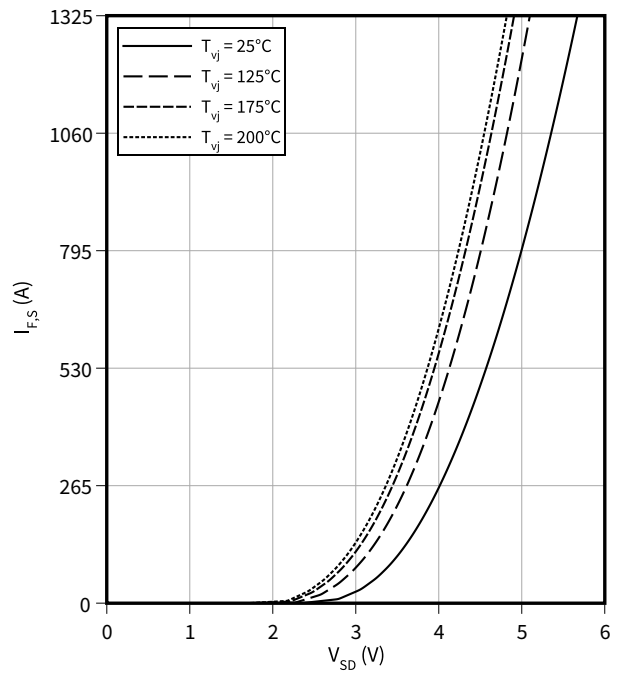
Forward characteristic body diode (typical), MOSFET

$I_{F,S} = f(V_{SD})$
 $T_{vj} = 25 \text{ }^\circ\text{C}$



Forward characteristic body diode (typical), MOSFET

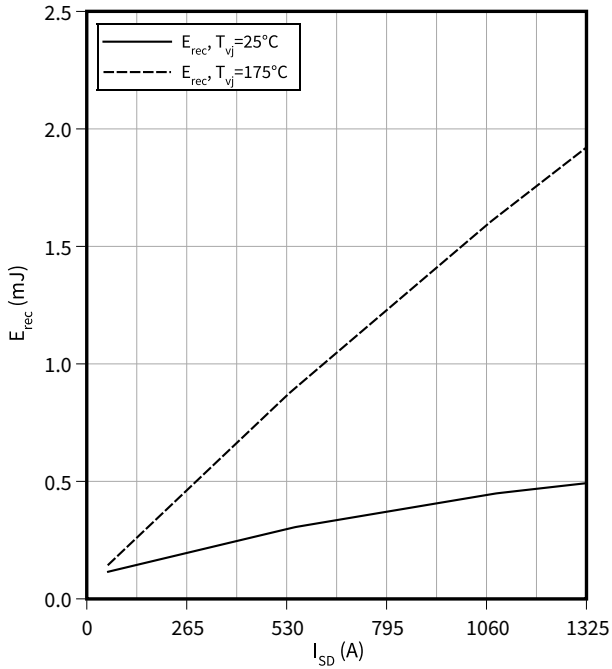
$I_{F,S} = f(V_{SD})$
 $V_{GS} = -5 \text{ V}$



5 Characteristics diagrams

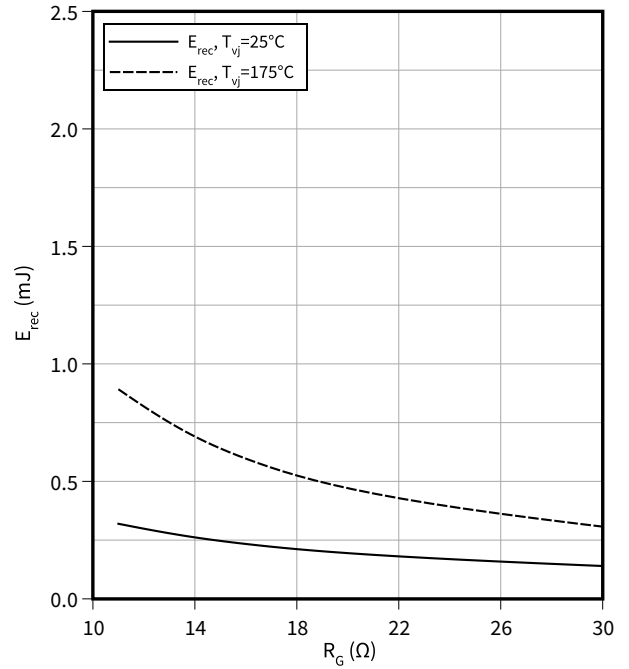
Switching losses body diode (typical), MOSFET

$E_{rec} = f(I_{SD})$
 $V_R = 470 \text{ V}, R_{G,on} = 11 \Omega$



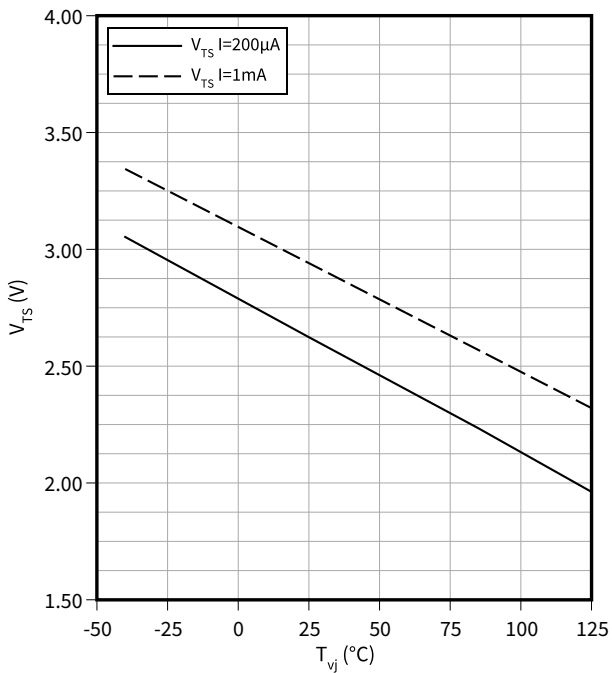
Switching losses body diode (typical), MOSFET

$E_{rec} = f(R_G)$
 $V_R = 470 \text{ V}, I_{F,S} = 530 \text{ A}$



Temperature characteristic (typical), Temperature sensor

$V_{TS} = f(T_{vj})$
 $I_{TS} = 0.2 \text{ mA}$



6 Circuit diagram

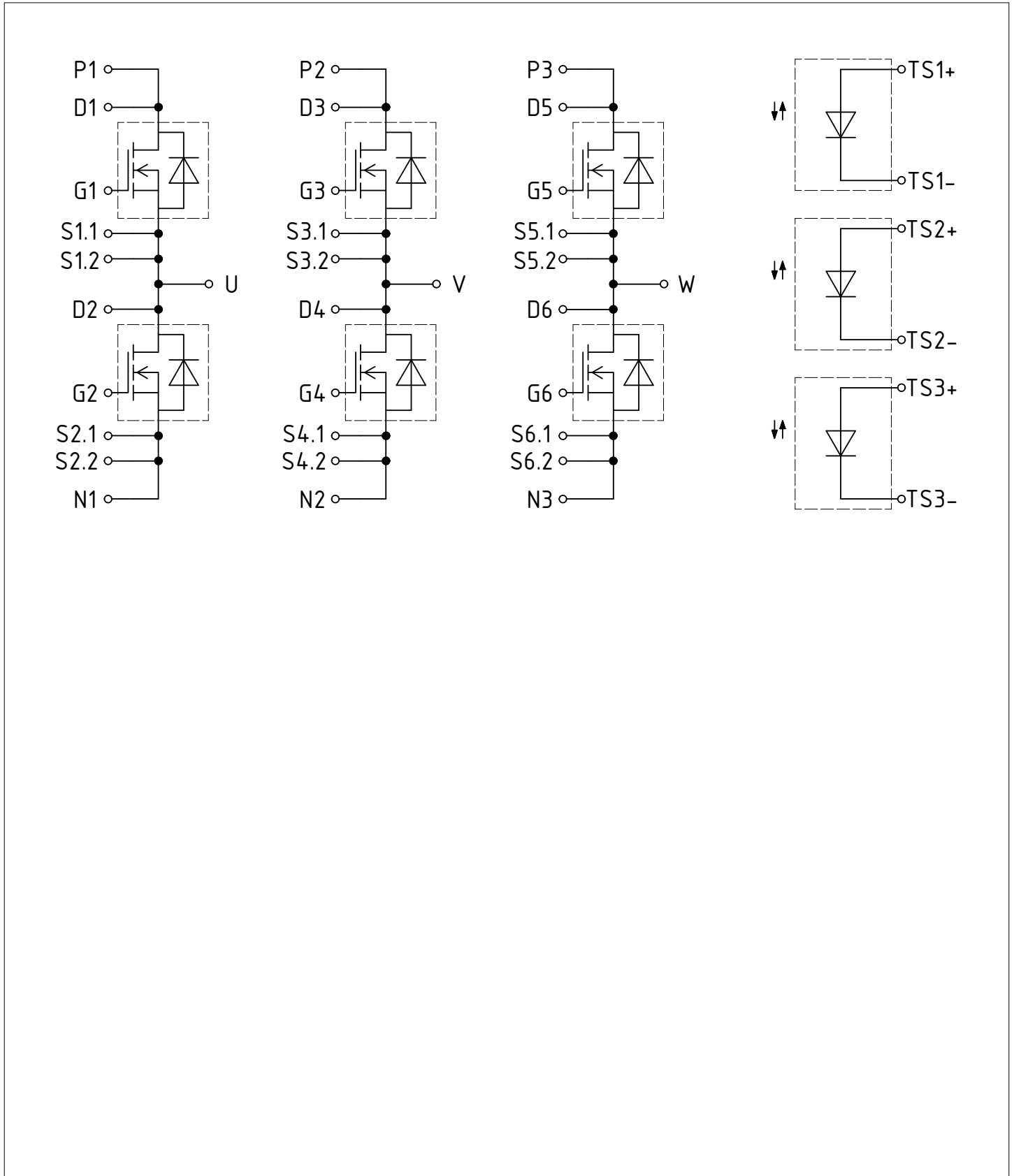


Figure 1

7 Package outlines

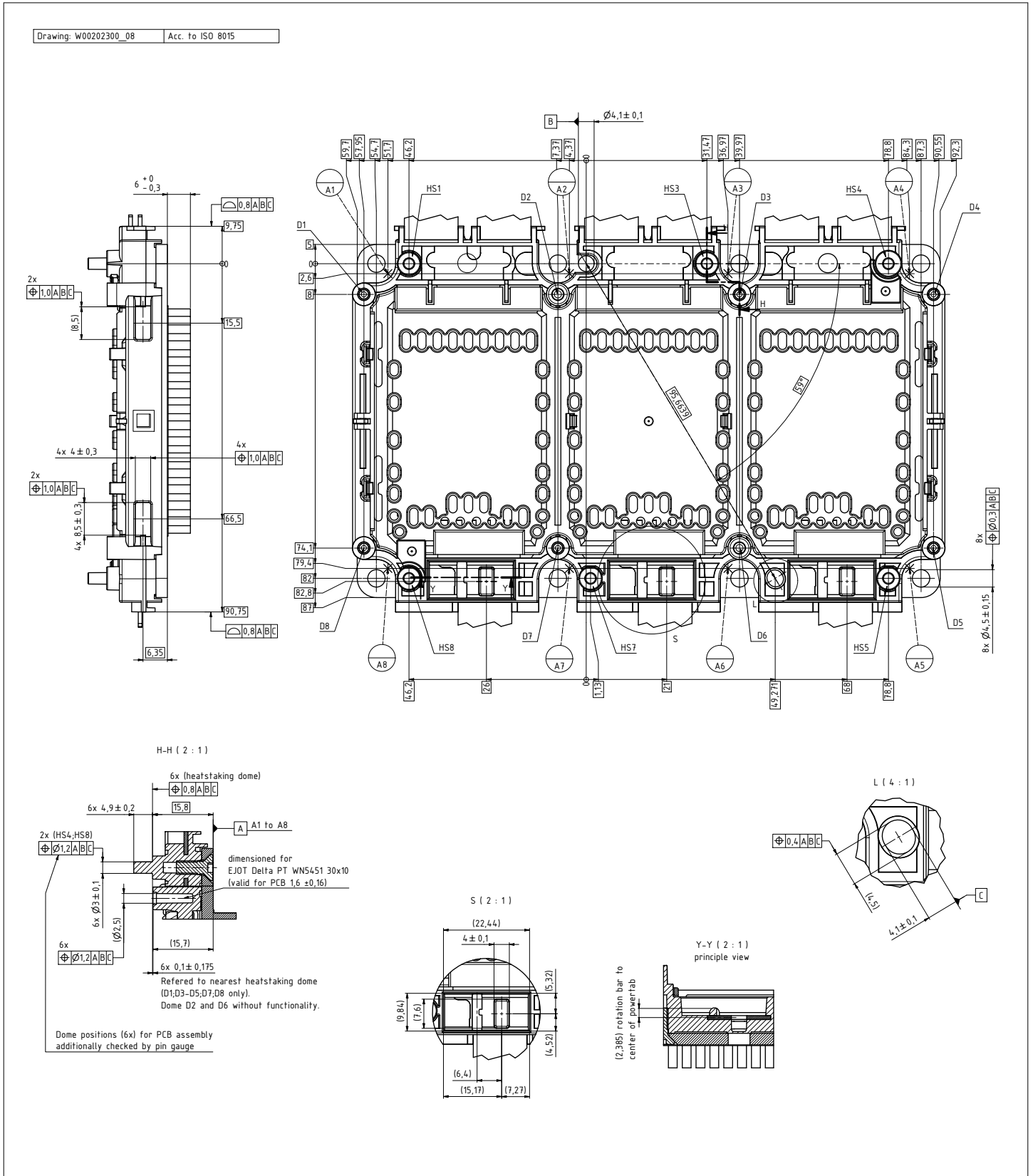


Figure 2

7 Package outlines

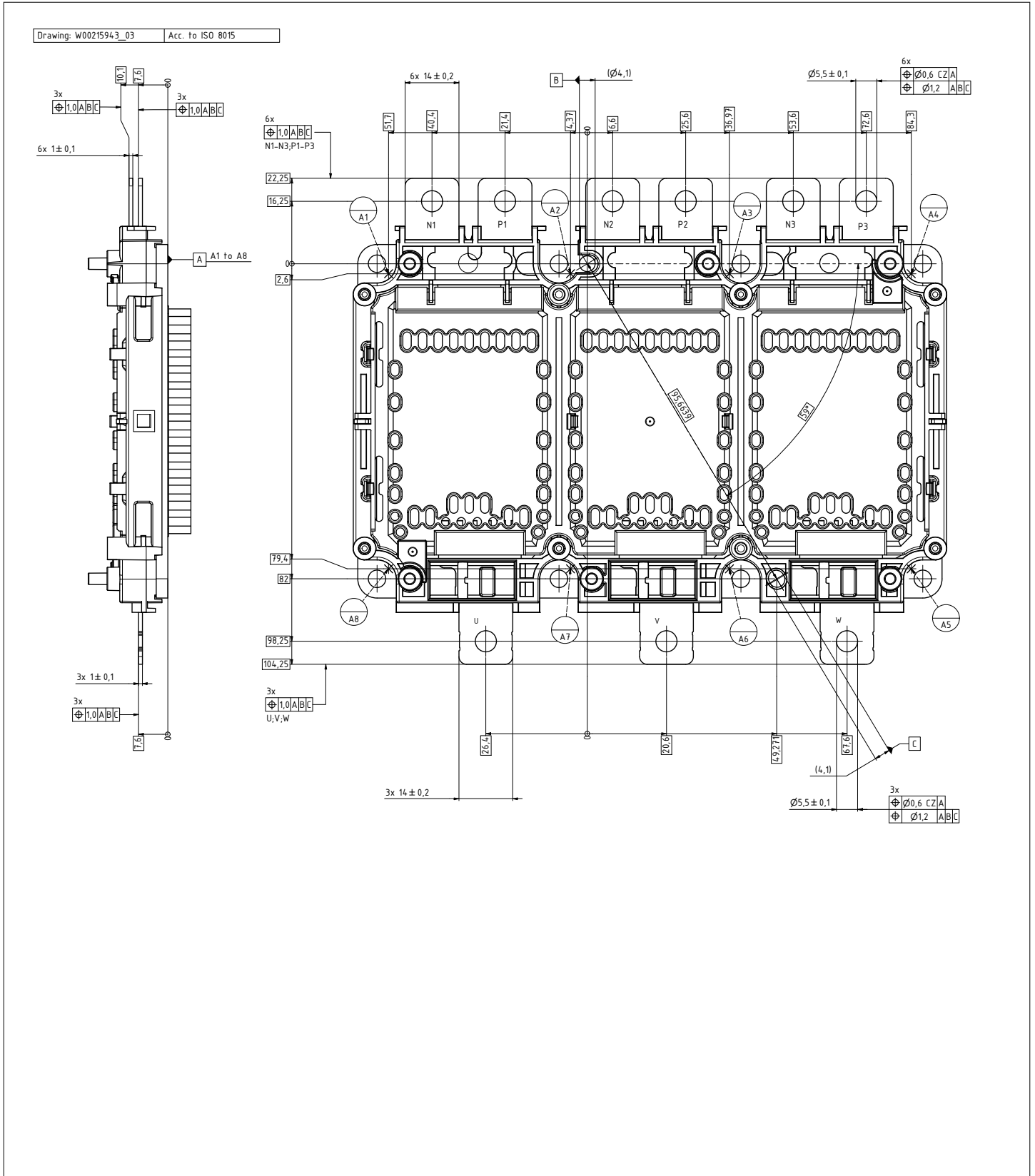


Figure 4

8 Module label code



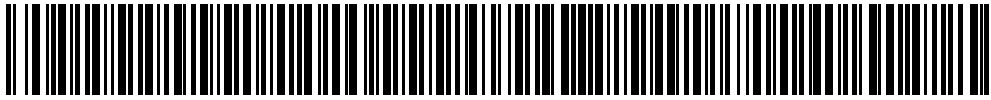
| Module label code | | | | |
|--------------------|--|-------------------|---|----------------|
| Code format | Data Matrix | Barcode Code128 | | |
| Encoding | ASCII text | Code Set A | | |
| Symbol size | 16x16 | 23 digits | | |
| Standard | IEC24720 and IEC16022 | IEC8859-1 | | |
| Code content | <i>Content</i> | <i>Digit</i> | <i>Example</i> | |
| | Module serial number | 1 - 5 | 71549 | |
| | Module material number | 6 - 11 | 142846 | |
| | Production order number | 12 - 19 | 55054991 | |
| | Date code (production year) | 20 - 21 | 15 | |
| | Date code (production week) | 22 - 23 | 30 | |
| Example |  | |  | |
| | 71549142846550549911530 | | 71549142846550549911530 | |
| Packing label code | | | | |
| Code format | Barcode Code128 | | | |
| Encoding | Code Set A | | | |
| Symbol size | 34 digits | | | |
| Standard | IEC8859-1 | | | |
| Code content | <i>Content</i> | <i>Identifier</i> | <i>Digit</i> | <i>Example</i> |
| | Backend Construction Number | X | 2 - 9 | 95056609 |
| | Production Lot Number | 1T | 12 - 19 | 2X0003E0 |
| | Serial Number | S | 21 - 25 | 754389 |
| | Date code | 9D | 28 - 31 | 1139 |
| | Box Quantity | Q | 33 - 34 | 15 |
| Example |  | | | |
| | X950566091T2X0003E0S754389D1139Q15 | | | |

Figure 5

Revision history

| Document revision | Date of release | Description of changes |
|-------------------|-----------------|------------------------|
| 0.10 | 2025-04-11 | Target datasheet |
| 1.00 | 2025-11-25 | Final datasheet |

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