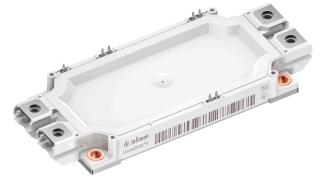


Final datasheet

EconoDUAL™3 module with CoolSiC™ Trench MOSFET and PressFIT / NTC

Features

- Electrical features
 - $V_{DS} = 1200\text{ V}$
 - $I_{DN} = 500\text{ A}$ / $I_{DRM} = 1000\text{ A}$
 - Integrated temperature sensor
 - Suitable Infineon gate drivers can be found under <https://www.infineon.com/gdfinder>
- Mechanical features
 - Standard housing
 - PressFIT contact technology
 - Isolated base plate
 - High power density
 - Direct-cooled base plate



Potential applications

- Construction, commercial, and agriculture vehicles
- Wind turbines
- Motor drives
- UPS systems
- Solar applications

Product validation

- Qualified for industrial applications according to the relevant tests of IEC 60747, 60749 and 60068

Description

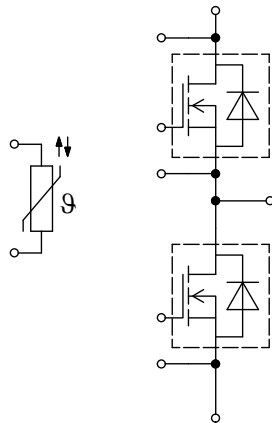


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1 Package

Table 1 Insulation coordination

Parameter	Symbol	Note or test condition	Values	Unit
Isolation test voltage	V_{ISOL}	RMS, $f = 50 \text{ Hz}$, $t = 1 \text{ min}$	3.4	kV
Isolation test voltage NTC	$V_{ISOL(NTC)}$	RMS, $f = 50 \text{ Hz}$, $t = 1 \text{ min}$	3.4	kV
Material of module baseplate			Cu	
Internal isolation		basic insulation (class 1, IEC 61140)	Al_2O_3	
Creepage distance	$d_{Creep \text{ nom}}$	terminal to baseplate, nom., (PD2, IEC 60664-1, Ed. 3.0)	> 15	mm
Creepage distance	$d_{Creep \text{ min}}$	terminal to baseplate, min., (PD2, IEC 60664-1, Ed. 3.0)	14.7	mm
Creepage distance	$d_{Creep \text{ nom}}$	terminal to terminal, nom., (PD2, IEC 60664-1, Ed. 3.0)	12.1	mm
Creepage distance	$d_{Creep \text{ min}}$	terminal to terminal, min., (PD2, IEC 60664-1, Ed. 3.0)	11.5	mm
Clearance	$d_{Clear \text{ nom}}$	terminal to baseplate, nom.	> 12.5	mm
Clearance	$d_{Clear \text{ min}}$	terminal to baseplate, min.	12.5	mm
Clearance	$d_{Clear \text{ nom}}$	terminal to terminal, nom.	10.0	mm
Clearance	$d_{Clear \text{ min}}$	terminal to terminal, min.	9.6	mm
Comparative tracking index	CTI		> 200	
Relative thermal index (electrical)	RTI	housing	140	°C

Table 2 Characteristic values

Parameter	Symbol	Note or test condition		Values			Unit
				Min.	Typ.	Max.	
Pressure drop in cooling circuit	Δp	$\Delta V/\Delta t = 10.0 \text{ dm}^3/\text{min}$, 50% water / 50% ethylenglycol, $T_F = 60 \text{ }^\circ\text{C}$			65		mbar
Maximum pressure in cooling circuit	p					3	bar
Stray inductance module	L_{sCE}				20		nH
Module lead resistance, terminals - chip	$R_{\text{CC'+EE'}}$	$T_F = 25 \text{ }^\circ\text{C}$, per switch			0.8		mΩ
Storage temperature	T_{stg}			-40		125	°C
Mounting torque for module mounting	M	- Mounting according to valid application note	M5, Screw	3		6	Nm
Terminal connection torque	M	- Mounting according to valid application note	M6, Screw	3		6	Nm

(table continues...)

Table 2 (continued) Characteristic values

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Weight	G			345		g

2 MOSFET, T1 / T2

Table 3 Maximum rated values

Parameter	Symbol	Note or test condition	Values	Unit
Drain-source voltage	V_{DS}	$T_{vj} = 25\text{ °C}$	1200	V
Continuous DC drain current	I_{DDC}	$T_{vj} = 175\text{ °C}$, $V_{GS} = 18\text{ V}$ $T_F = 50\text{ °C}$	500	A
Repetitive peak drain current	I_{DRM}	verified by design, t_p limited by T_{vjmax}	1000	A
Gate-source voltage, max. transient voltage	V_{GS}	$D < 0.01$	-10/23	V
Gate-source voltage, max. static voltage	V_{GS}		-7/20	V

Table 4 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...0	V

Table 5 Characteristic values

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Drain-source on-resistance	$R_{DS(on)}$	$I_D = 500\text{ A}$		$V_{GS} = 15\text{ V}$, $T_{vj} = 25\text{ °C}$		mΩ
				$V_{GS} = 18\text{ V}$, $T_{vj} = 25\text{ °C}$	1.75	
				$V_{GS} = 18\text{ V}$, $T_{vj} = 125\text{ °C}$	1.46	
				$V_{GS} = 18\text{ V}$, $T_{vj} = 175\text{ °C}$	2.36	
Gate threshold voltage	$V_{GS(th)}$	$I_D = 224\text{ mA}$, $V_{DS} = V_{GS}$, $T_{vj} = 25\text{ °C}$, (tested after 1ms pulse at $V_{GS} = +20\text{ V}$)	3.45	4.3	5.15	V
Total gate charge	Q_G	$V_{DD} = 800\text{ V}$, $V_{GS} = -3/18\text{ V}$, $T_{vj} = 25\text{ °C}$		1.6		μC
Internal gate resistor	R_{Gint}	$T_{vj} = 25\text{ °C}$		0.9		Ω

(table continues...)

Table 5 (continued) **Characteristic values**

Parameter	Symbol	Note or test condition		Values			Unit
				Min.	Typ.	Max.	
Input capacitance	C_{ISS}	$f = 100 \text{ kHz}$, $V_{DS} = 800 \text{ V}$, $V_{GS} = 0 \text{ V}$	$T_{vj} = 25 \text{ °C}$		48.4		nF
Output capacitance	C_{OSS}	$f = 100 \text{ kHz}$, $V_{DS} = 800 \text{ V}$, $V_{GS} = 0 \text{ V}$	$T_{vj} = 25 \text{ °C}$		2.4		nF
Reverse transfer capacitance	C_{rss}	$f = 100 \text{ kHz}$, $V_{DS} = 800 \text{ V}$, $V_{GS} = 0 \text{ V}$	$T_{vj} = 25 \text{ °C}$		0.158		nF
C_{OSS} stored energy	E_{OSS}	$V_{DS} = 800 \text{ V}$, $V_{GS} = -3/18 \text{ V}$, $T_{vj} = 25 \text{ °C}$			945		μJ
Drain-source leakage current	I_{DSS}	$V_{DS} = 1200 \text{ V}$, $V_{GS} = -3 \text{ V}$	$T_{vj} = 25 \text{ °C}$		0.32	660	μA
Gate-source leakage current	I_{GSS}	$V_{DS} = 0 \text{ V}$, $T_{vj} = 25 \text{ °C}$	$V_{GS} = 20 \text{ V}$			400	nA
Turn-on delay time (inductive load)	$t_{d\ on}$	$I_D = 500 \text{ A}$, $R_{Gon} = 6.8 \text{ } \Omega$, $V_{DD} = 600 \text{ V}$, $V_{GS} = -3/18 \text{ V}$, $t_{dead} = 1000 \text{ ns}$	$T_{vj} = 25 \text{ °C}$		156		ns
			$T_{vj} = 125 \text{ °C}$		172		
			$T_{vj} = 175 \text{ °C}$		182		
Rise time (inductive load)	t_r	$I_D = 500 \text{ A}$, $R_{Gon} = 6.8 \text{ } \Omega$, $V_{DD} = 600 \text{ V}$, $V_{GS} = -3/18 \text{ V}$, $t_{dead} = 1000 \text{ ns}$	$T_{vj} = 25 \text{ °C}$		261		ns
			$T_{vj} = 125 \text{ °C}$		243		
			$T_{vj} = 175 \text{ °C}$		238		
Turn-off delay time (inductive load)	$t_{d\ off}$	$I_D = 500 \text{ A}$, $R_{Goff} = 3.9 \text{ } \Omega$, $V_{DD} = 600 \text{ V}$, $V_{GS} = -3/18 \text{ V}$	$T_{vj} = 25 \text{ °C}$		276		ns
			$T_{vj} = 125 \text{ °C}$		305		
			$T_{vj} = 175 \text{ °C}$		319		
Fall time (inductive load)	t_f	$I_D = 500 \text{ A}$, $R_{Goff} = 3.9 \text{ } \Omega$, $V_{DD} = 600 \text{ V}$, $V_{GS} = -3/18 \text{ V}$	$T_{vj} = 25 \text{ °C}$		74		ns
			$T_{vj} = 125 \text{ °C}$		76		
			$T_{vj} = 175 \text{ °C}$		77		
Turn-on energy loss per pulse	E_{on}	$I_D = 500 \text{ A}$, $V_{DD} = 600 \text{ V}$, $L_\sigma = 8 \text{ nH}$, $V_{GS} = -3/18 \text{ V}$, $R_{Gon} = 6.8 \text{ } \Omega$, $di/dt = 4.7 \text{ kA}/\mu\text{s}$ ($T_{vj} = 175 \text{ °C}$), $t_{dead} = 1000 \text{ ns}$	$T_{vj} = 25 \text{ °C}$		40.2		mJ
			$T_{vj} = 125 \text{ °C}$		38.3		
			$T_{vj} = 175 \text{ °C}$		39		
Turn-on energy loss per pulse, optimized	$E_{on,o}$	$I_D = 500 \text{ A}$, $V_{DD} = 600 \text{ V}$, $L_\sigma = 8 \text{ nH}$, $V_{GS} = -3/18 \text{ V}$, $R_{Gon,o} = 2.4 \text{ } \Omega$, $di/dt = 9.3 \text{ kA}/\mu\text{s}$ ($T_{vj} = 175 \text{ °C}$), $t_{dead} = 200 \text{ ns}$	$T_{vj} = 25 \text{ °C}$		16.8		mJ
			$T_{vj} = 125 \text{ °C}$		17.1		
			$T_{vj} = 175 \text{ °C}$		18.1		
Turn-off energy loss per pulse	E_{off}	$I_D = 500 \text{ A}$, $V_{DD} = 600 \text{ V}$, $L_\sigma = 8 \text{ nH}$, $V_{GS} = -3/18 \text{ V}$, $R_{Goff} = 3.9 \text{ } \Omega$, $dv/dt = 6.2 \text{ kV}/\mu\text{s}$ ($T_{vj} = 175 \text{ °C}$)	$T_{vj} = 25 \text{ °C}$		20.4		mJ
			$T_{vj} = 125 \text{ °C}$		21.6		
			$T_{vj} = 175 \text{ °C}$		22.2		

(table continues...)

Table 5 (continued) **Characteristic values**

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Thermal resistance, junction to cooling fluid ¹⁾	R_{thJF}	per MOSFET, $\Delta V/\Delta t = 10.0 \text{ dm}^3/\text{min}$, cooling fluid = 50% water / 50% ethylenglycol, $T_F = 60 \text{ °C}$		0.12		K/W
Temperature under switching conditions	$T_{vj\text{ op}}$		-40		175	°C

1) Typical R_{thJF} value using the heat sink described in AN-2022-05

Note: The selection of positive and negative gate-source voltages impacts losses and the long-term behavior of the MOSFET and body diode. The design guidelines described in Application Notes AN 2018-09 and AN 2021-13 must be considered to ensure sound operation of the device over the planned lifetime.

$T_{vj\text{ op}} > 150 \text{ °C}$ is allowed for operation at overload conditions for MOSFET and body diode. For detailed specifications, please refer to AN 2021-13.

3 Body diode (MOSFET, T1 / T2)

Table 6 **Maximum rated values**

Parameter	Symbol	Note or test condition	Values	Unit
DC body diode forward current	I_{SD}	$T_{vj} = 175 \text{ °C}$, $V_{GS} = -3 \text{ V}$ $T_F = 25 \text{ °C}$	295	A

Table 7 **Characteristic values**

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Forward voltage	V_{SD}	$I_{SD} = 500 \text{ A}$, $V_{GS} = -3 \text{ V}$	$T_{vj} = 25 \text{ °C}$	4.14	5.2	V
			$T_{vj} = 125 \text{ °C}$	3.88		
			$T_{vj} = 175 \text{ °C}$	3.78		
Peak reverse recovery current	I_{rrm}	$I_{SD} = 500 \text{ A}$, $di_s/dt = 4.7 \text{ kA}/\mu\text{s}$, $V_{DD} = 600 \text{ V}$, $V_{GS} = -3 \text{ V}$, $t_{dead} = 1000 \text{ ns}$	$T_{vj} = 25 \text{ °C}$	76		A
			$T_{vj} = 125 \text{ °C}$	114		
			$T_{vj} = 175 \text{ °C}$	148		
Recovered charge	Q_{rr}	$I_{SD} = 500 \text{ A}$, $di_s/dt = 4.7 \text{ kA}/\mu\text{s}$, $V_{DD} = 600 \text{ V}$, $V_{GS} = -3 \text{ V}$, $t_{dead} = 1000 \text{ ns}$	$T_{vj} = 25 \text{ °C}$	3.7		μC
			$T_{vj} = 125 \text{ °C}$	4.9		
			$T_{vj} = 175 \text{ °C}$	7		
Reverse recovery energy	E_{rec}	$I_{SD} = 500 \text{ A}$, $di_s/dt = 4.7 \text{ kA}/\mu\text{s}$ ($T_{vj} = 175 \text{ °C}$), $V_{DD} = 600 \text{ V}$, $V_{GS} = -3 \text{ V}$, $t_{dead} = 1000 \text{ ns}$	$T_{vj} = 25 \text{ °C}$	0.12		mJ
			$T_{vj} = 125 \text{ °C}$	0.37		
			$T_{vj} = 175 \text{ °C}$	0.67		

(table continues...)

Table 7 (continued) Characteristic values

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Reverse recovery energy, optimized	$E_{rec,o}$	$I_{SD} = 500 \text{ A}$, $di_s/dt = 9.3 \text{ kA}/\mu\text{s}$ ($T_{vj} = 175 \text{ °C}$), $V_{DD} = 600 \text{ V}$, $V_{GS} = -3 \text{ V}$, $t_{dead} = 200 \text{ ns}$	$T_{vj} = 25 \text{ °C}$	1.3		mJ
			$T_{vj} = 125 \text{ °C}$	3.8		
			$T_{vj} = 175 \text{ °C}$	5.3		

4 NTC-Thermistor

Table 8 Characteristic values

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Rated resistance	R_{25}	$T_{NTC} = 25 \text{ °C}$		5		kΩ
Deviation of R_{100}	$\Delta R/R$	$T_{NTC} = 100 \text{ °C}$, $R_{100} = 493 \text{ Ω}$	-5		5	%
Power dissipation	P_{25}	$T_{NTC} = 25 \text{ °C}$			20	mW
B-value	$B_{25/50}$	$R_2 = R_{25} \exp[B_{25/50}(1/T_2 - 1/(298,15 \text{ K}))]$		3375		K
B-value	$B_{25/80}$	$R_2 = R_{25} \exp[B_{25/80}(1/T_2 - 1/(298,15 \text{ K}))]$		3411		K
B-value	$B_{25/100}$	$R_2 = R_{25} \exp[B_{25/100}(1/T_2 - 1/(298,15 \text{ K}))]$		3433		K

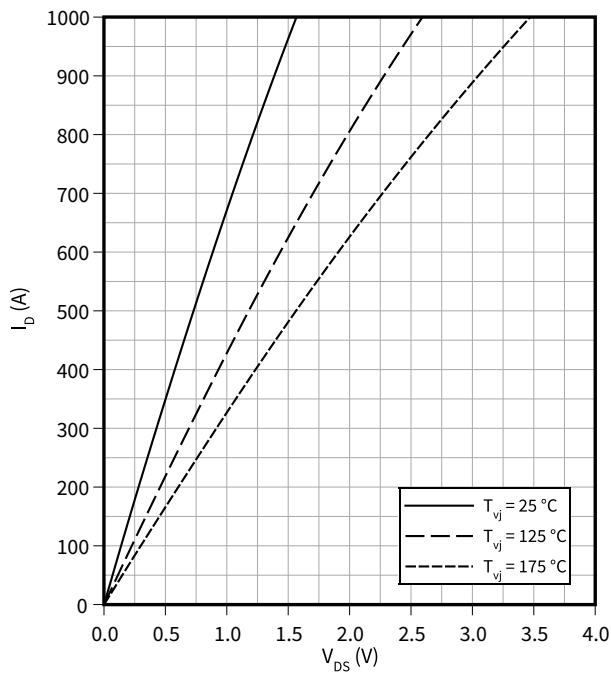
Note: For an analytical description of the NTC characteristics please refer to AN2009-10, chapter 4.

5 Characteristics diagrams

Output characteristic (typical), MOSFET, T1 / T2

$I_D = f(V_{DS})$

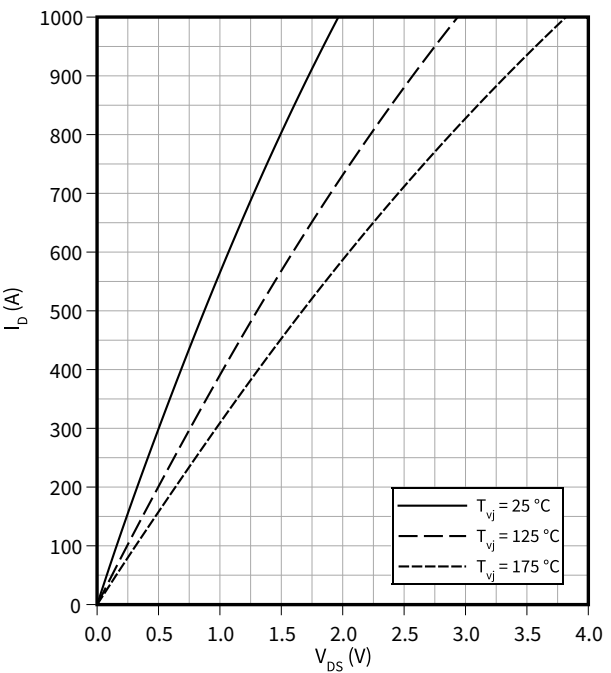
$V_{GS} = 18\text{ V}$



Output characteristic (typical), MOSFET, T1 / T2

$I_D = f(V_{DS})$

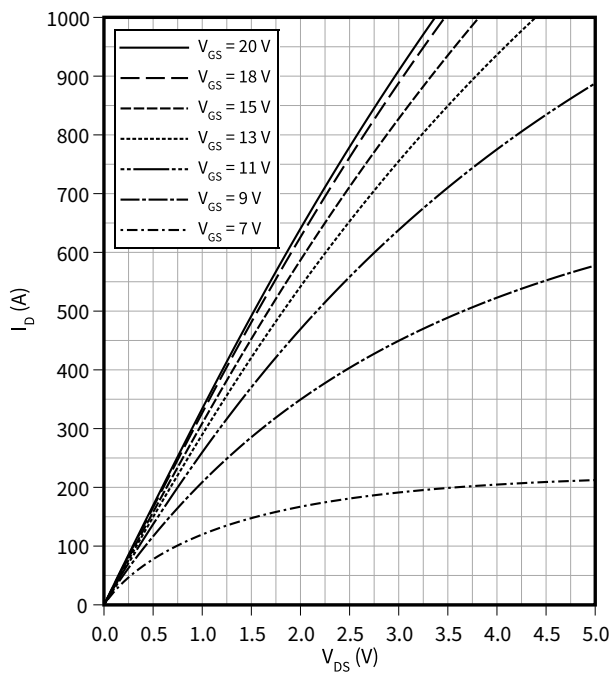
$V_{GS} = 15\text{ V}$



Output characteristic field (typical), MOSFET, T1 / T2

$I_D = f(V_{DS})$

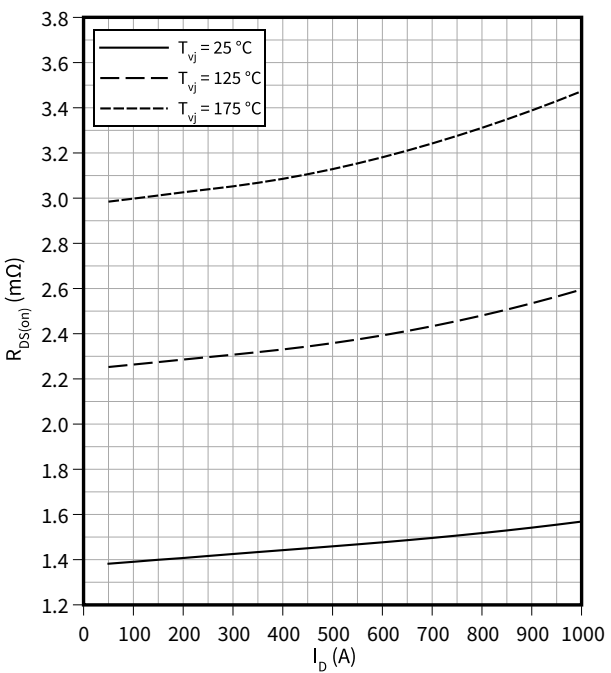
$T_{vj} = 175\text{ °C}$



Drain source on-resistance (typical), MOSFET, T1 / T2

$R_{DS(on)} = f(I_D)$

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

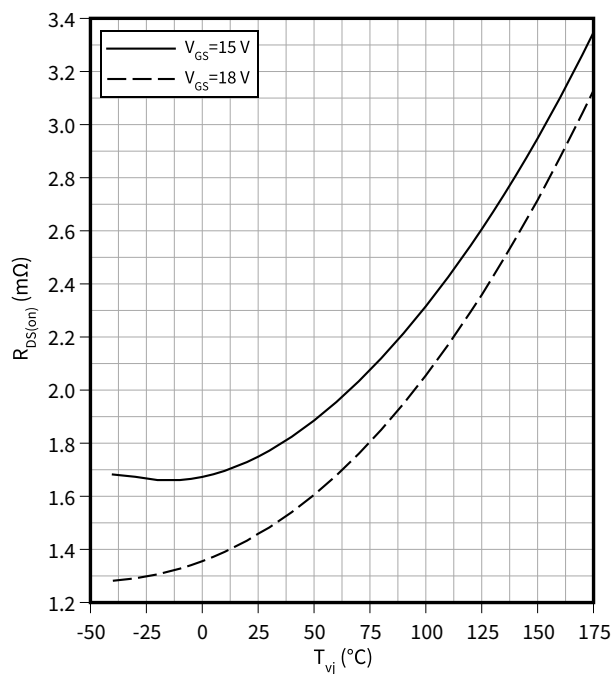


5 Characteristics diagrams

Drain source on-resistance (typical), MOSFET, T1 / T2

$$R_{DS(on)} = f(T_{vj})$$

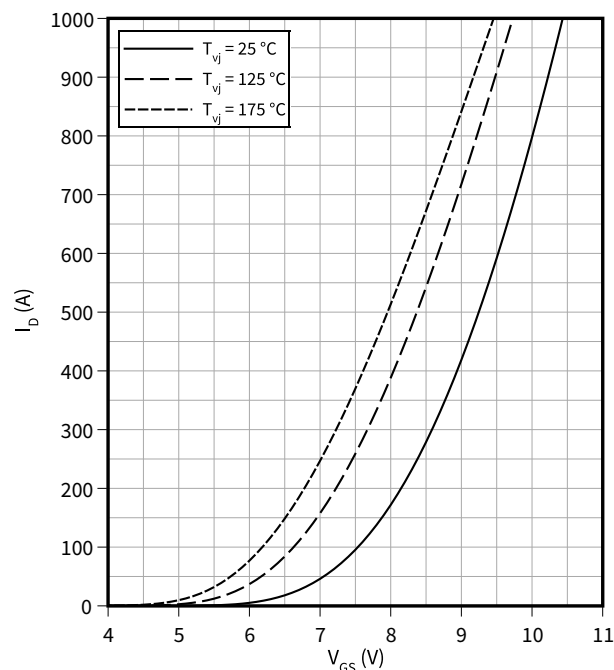
$$I_D = 500 \text{ A}$$



Transfer characteristic (typical), MOSFET, T1 / T2

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

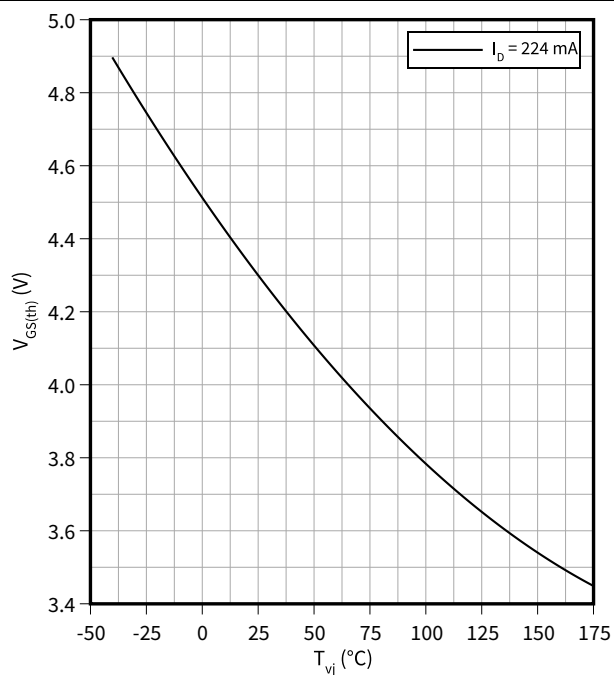
$$V_{DS} = 20 \text{ V}$$



Gate-source threshold voltage (typical), MOSFET, T1 / T2

$$V_{GS(th)} = f(T_{vj})$$

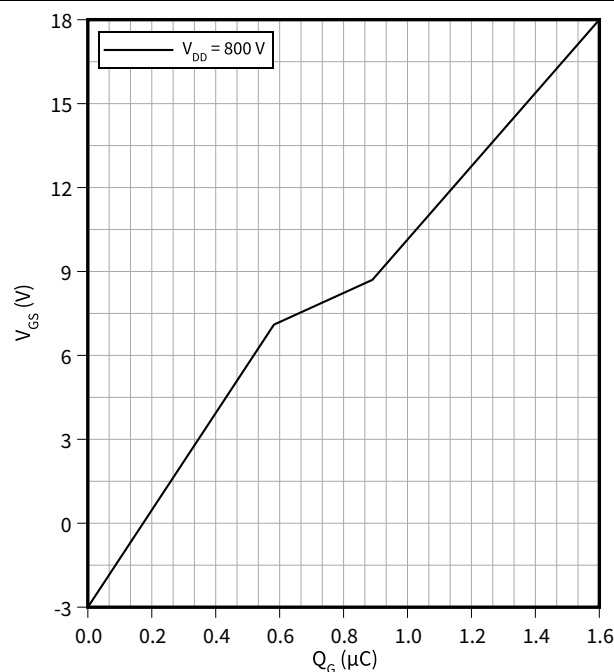
$$V_{GS} = V_{DS}$$



Gate charge characteristic (typical), MOSFET, T1 / T2

$$V_{GS} = f(Q_G)$$

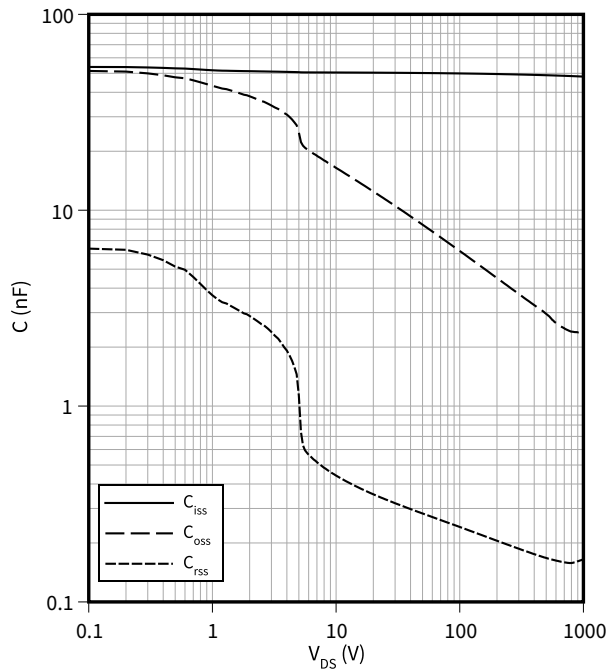
$$I_D = 500 \text{ A}, T_{vj} = 25 \text{ °C}$$



5 Characteristics diagrams

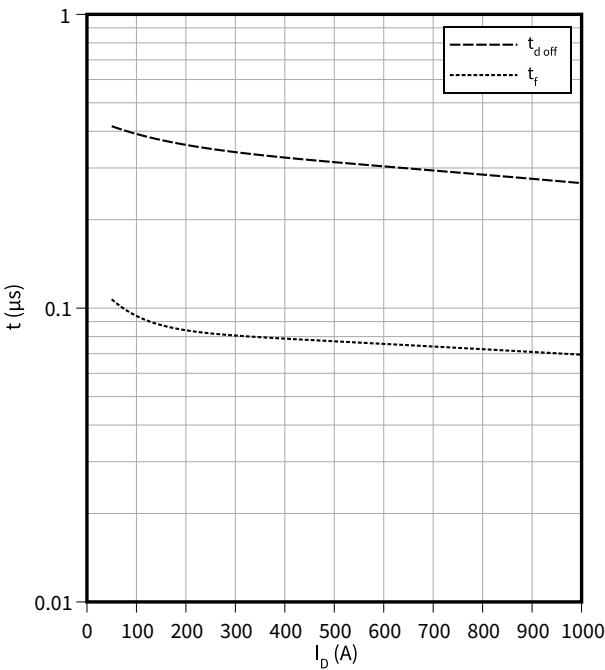
Capacity characteristic (typical), MOSFET, T1 / T2

$C = f(V_{DS})$
 $T_{vj} = 25\text{ °C}, V_{GS} = 0\text{ V}, f = 100\text{ kHz}$



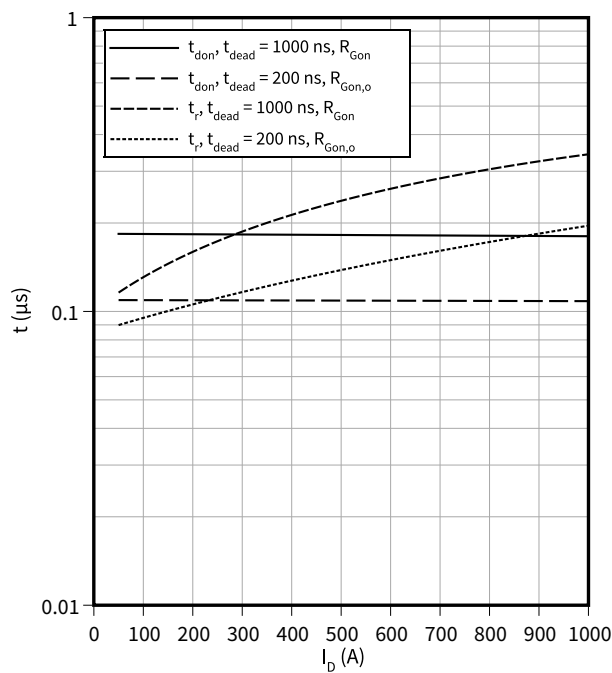
Switching times (typical), MOSFET, T1 / T2

$t = f(I_D)$
 $R_{Goff} = 3.9\text{ }\Omega, V_{DD} = 600\text{ V}, T_{vj} = 175\text{ °C}, V_{GS} = -3/18\text{ V}$



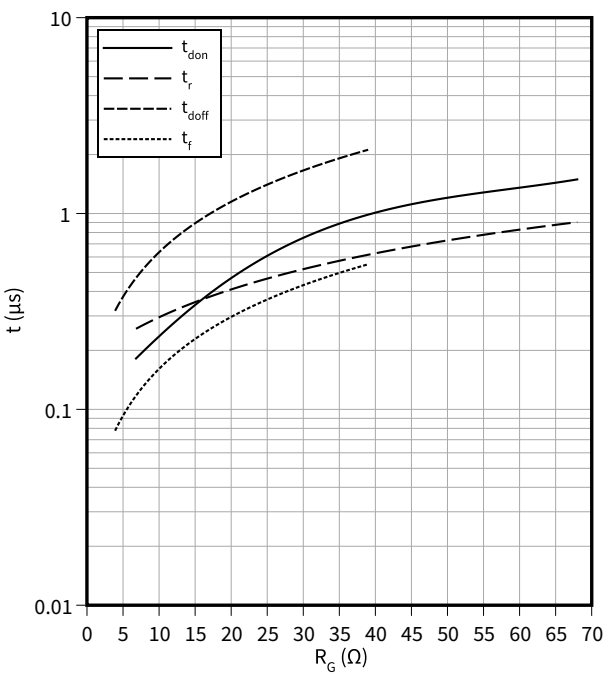
Switching times (typical), MOSFET, T1 / T2

$t = f(I_D)$
 $V_{DD} = 600\text{ V}, R_{Gon} = 6.8\text{ }\Omega, R_{Gon,o} = 2.4\text{ }\Omega, T_{vj} = 175\text{ °C}, V_{GS} = -3/18\text{ V}$



Switching times (typical), MOSFET, T1 / T2

$t = f(R_G)$
 $V_{DD} = 600\text{ V}, t_{dead} = 1000\text{ ns}, I_D = 500\text{ A}, T_{vj} = 175\text{ °C}, V_{GS} = -3/18\text{ V}$

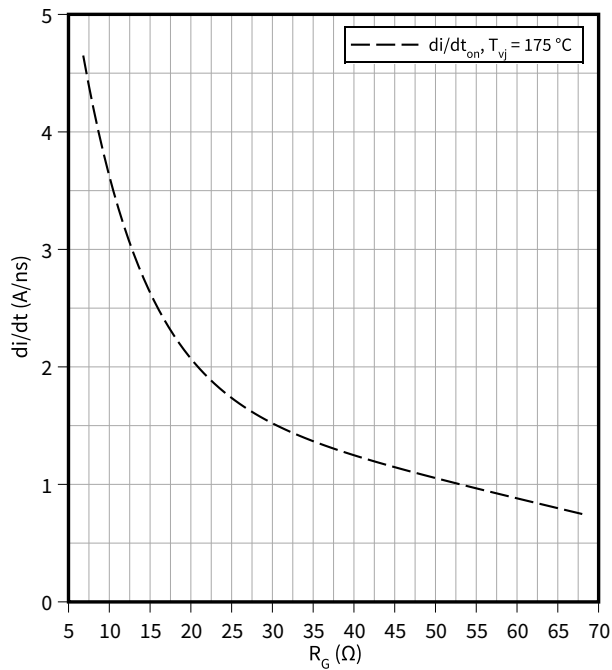


5 Characteristics diagrams

Current slope (typical), MOSFET, T1 / T2

$di/dt = f(R_G)$

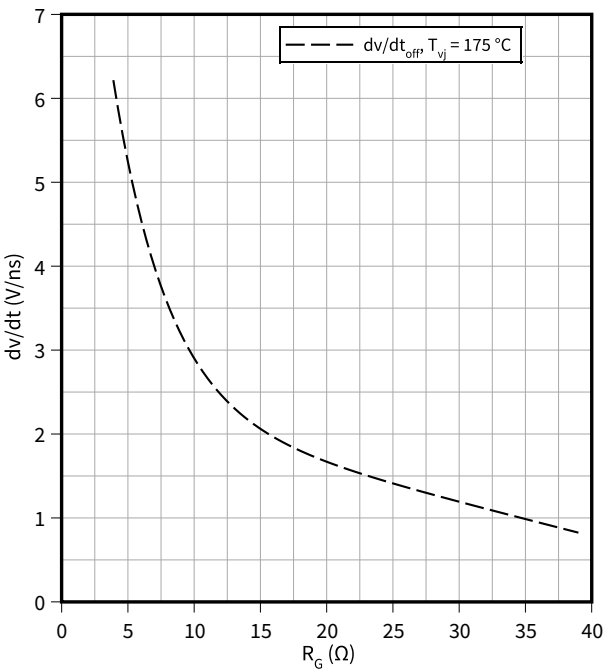
$V_{DD} = 600\text{ V}$, $I_D = 500\text{ A}$, $V_{GS} = -3/18\text{ V}$



Voltage slope (typical), MOSFET, T1 / T2

$dv/dt = f(R_G)$

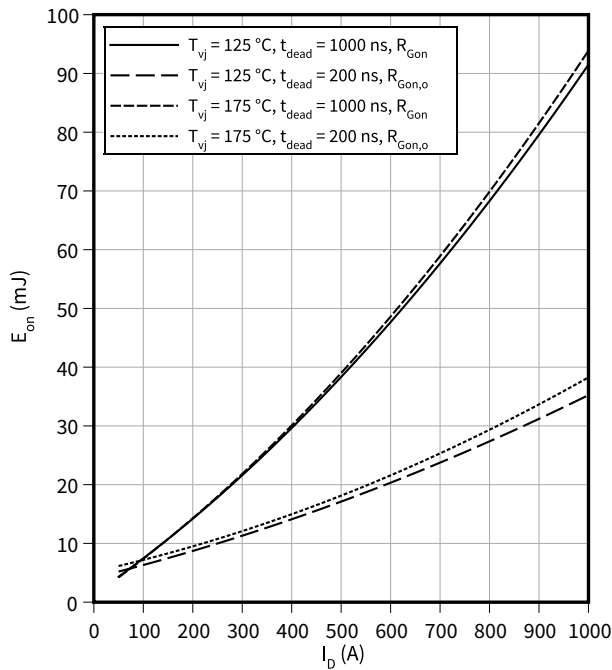
$V_{DD} = 600\text{ V}$, $I_D = 500\text{ A}$, $V_{GS} = -3/18\text{ V}$



Switching losses (typical), MOSFET, T1 / T2

$E_{on} = f(I_D)$

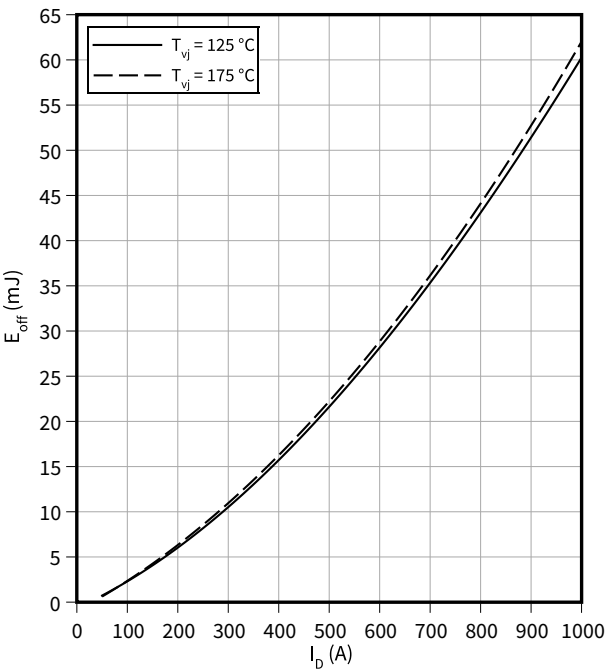
$V_{DD} = 600\text{ V}$, $R_{Gon} = 6.8\text{ }\Omega$, $R_{Gon,o} = 2.4\text{ }\Omega$, $V_{GS} = -3/18\text{ V}$



Switching losses (typical), MOSFET, T1 / T2

$E_{off} = f(I_D)$

$R_{Goff} = 3.9\text{ }\Omega$, $V_{DD} = 600\text{ V}$, $V_{GS} = -3/18\text{ V}$

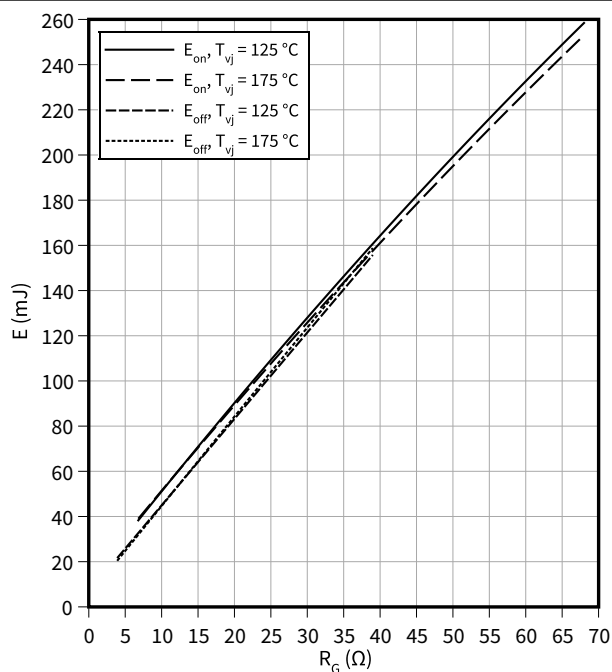


5 Characteristics diagrams

Switching losses (typical), MOSFET, T1 / T2

$$E = f(R_G)$$

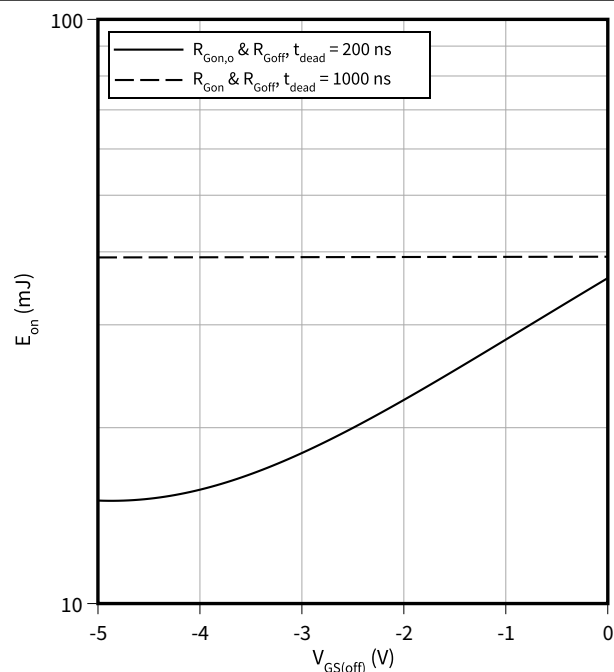
$V_{DD} = 600 \text{ V}$, $t_{\text{dead}} = 1000 \text{ ns}$, $I_D = 500 \text{ A}$, $V_{GS} = -3/18 \text{ V}$



Switching losses (typical), MOSFET, T1 / T2

$$E_{\text{on}} = f(V_{GS(\text{off})})$$

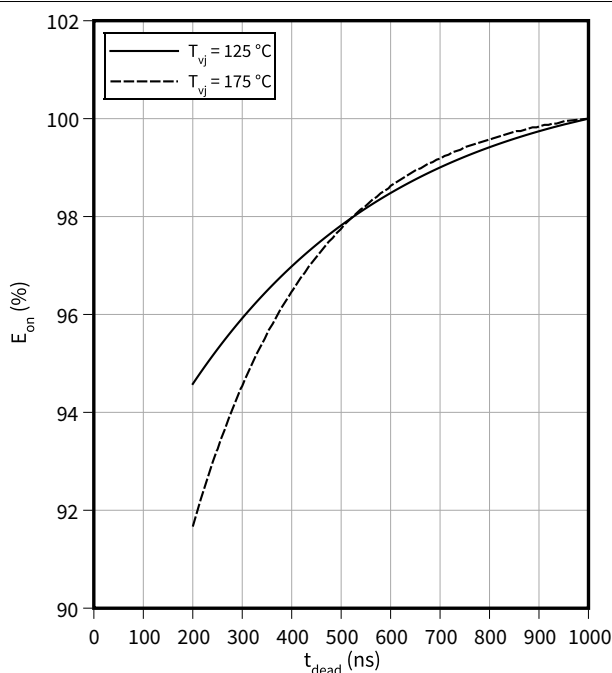
$R_{\text{Goff}} = 3.9 \text{ } \Omega$, $V_{DD} = 600 \text{ V}$, $R_{\text{Gon}} = 6.8 \text{ } \Omega$, $V_{GS(\text{on})} = 18 \text{ V}$, $I_D = 500 \text{ A}$, $R_{\text{Gon},0} = 2.4 \text{ } \Omega$, $T_{vj} = 175 \text{ } ^\circ\text{C}$



Switching losses (typical), MOSFET, T1 / T2

$$E_{\text{on}} = f(t_{\text{dead}})$$

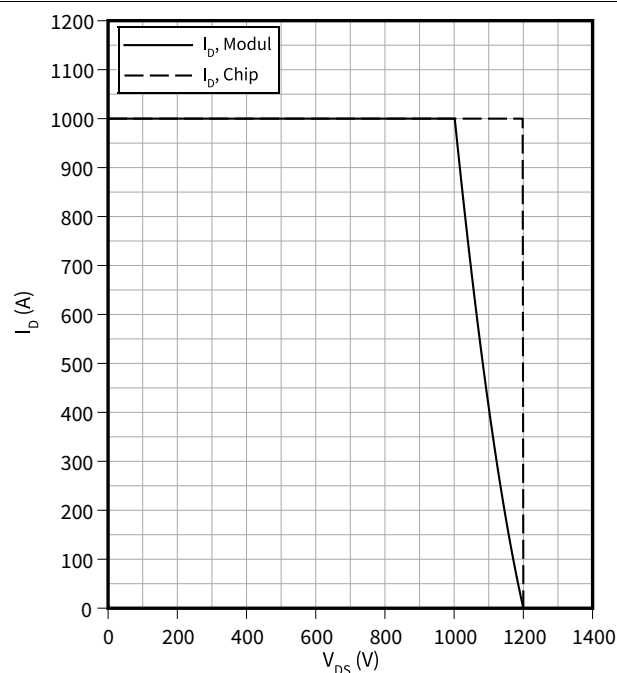
$R_{\text{Gon}} = 6.8 \text{ } \Omega$, $I_D = 500 \text{ A}$, $V_{DD} = 600 \text{ V}$, $V_{GS} = -3/18 \text{ V}$



Reverse bias safe operating area (RBSOA), MOSFET, T1 / T2

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

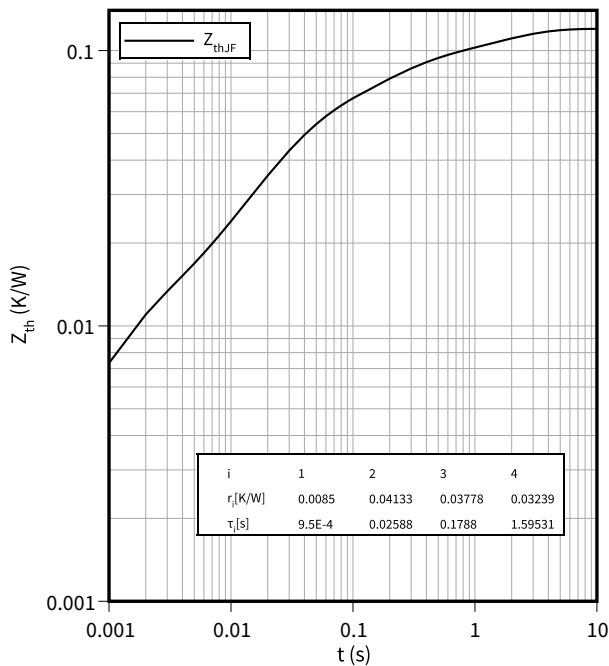
$R_{\text{Goff}} = 3.9 \text{ } \Omega$, $T_{vj} = 175 \text{ } ^\circ\text{C}$, $V_{GS} = -3/18 \text{ V}$



5 Characteristics diagrams

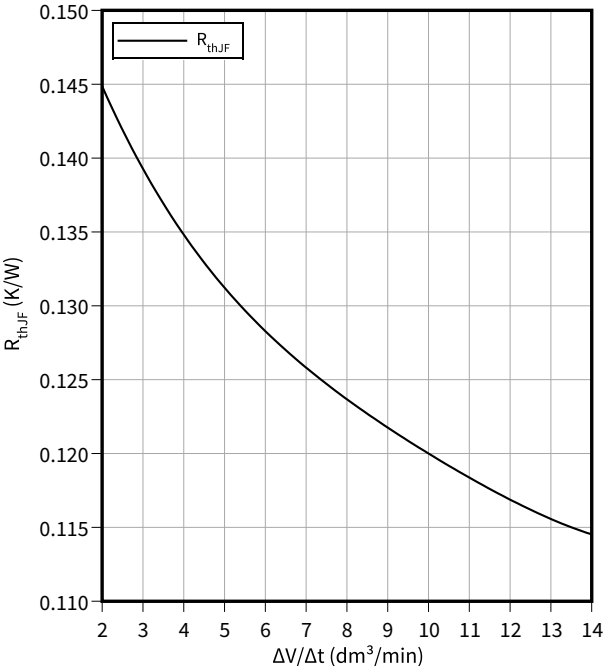
Transient thermal impedance, MOSFET, T1 / T2

$Z_{th} = f(t)$



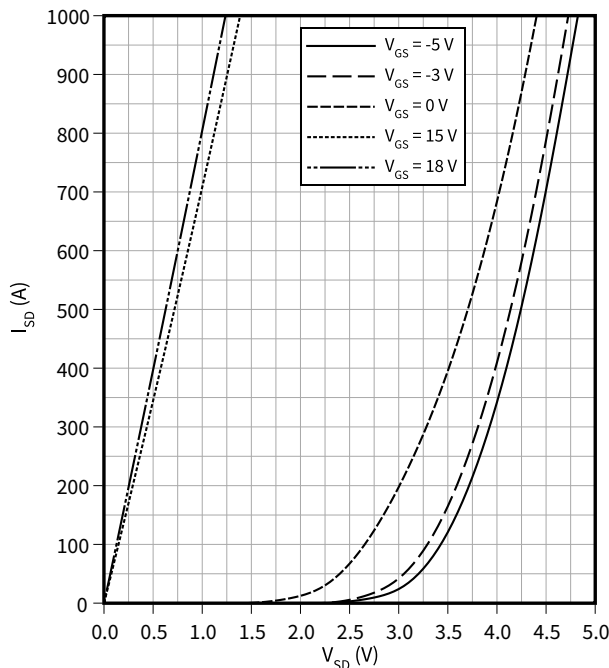
Thermal impedance, MOSFET, T1 / T2

$R_{thJF} = f(\Delta V/\Delta t)$



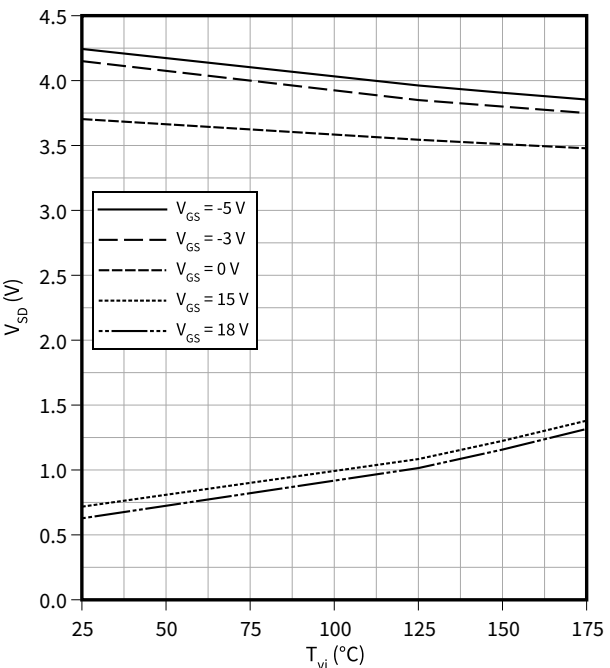
Forward characteristic body diode (typical), MOSFET, T1 / T2

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



Forward voltage of body diode (typical), MOSFET, T1 / T2

$V_{SD} = f(T_{vj})$
 $I_{SD} = 500\text{ A}$

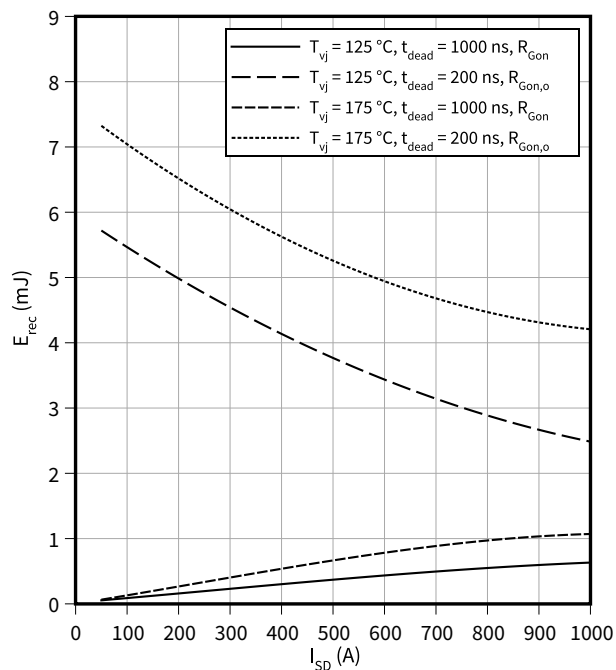


5 Characteristics diagrams

Switching losses body diode (typical), MOSFET, T1 / T2

$$E_{\text{rec}} = f(I_{\text{SD}})$$

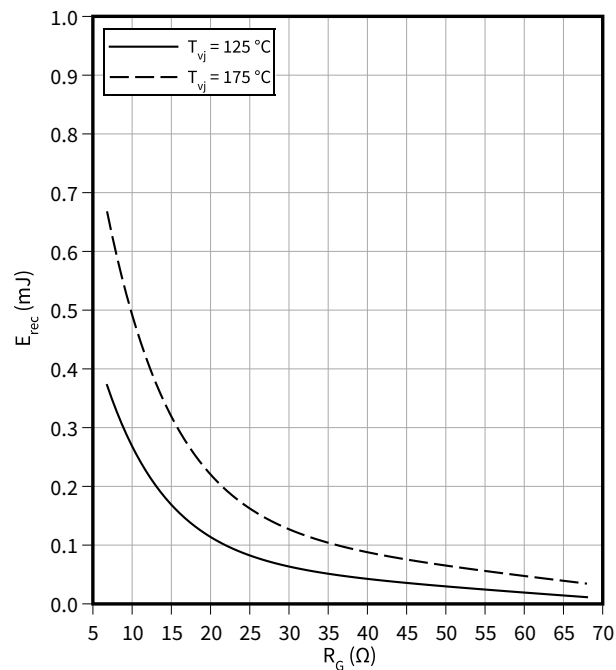
$R_{\text{Gon}} = 6.8 \Omega$, $R_{\text{Gon,o}} = 2.4 \Omega$, $V_{\text{DD}} = 600 \text{ V}$



Switching losses body diode (typical), MOSFET, T1 / T2

$$E_{\text{rec}} = f(R_{\text{G}})$$

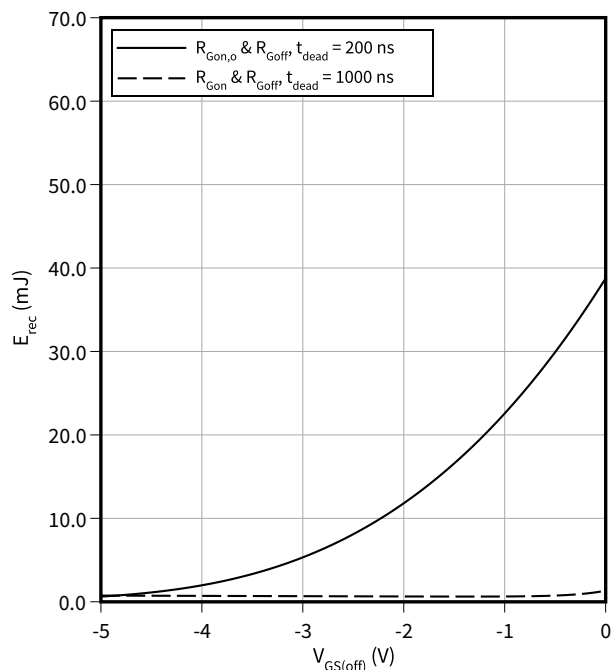
$t_{\text{dead}} = 1000 \text{ ns}$, $I_{\text{SD}} = 500 \text{ A}$, $V_{\text{DD}} = 600 \text{ V}$



Switching losses body diode (typical), MOSFET, T1 / T2

$$E_{\text{rec}} = f(V_{\text{GS(off)}})$$

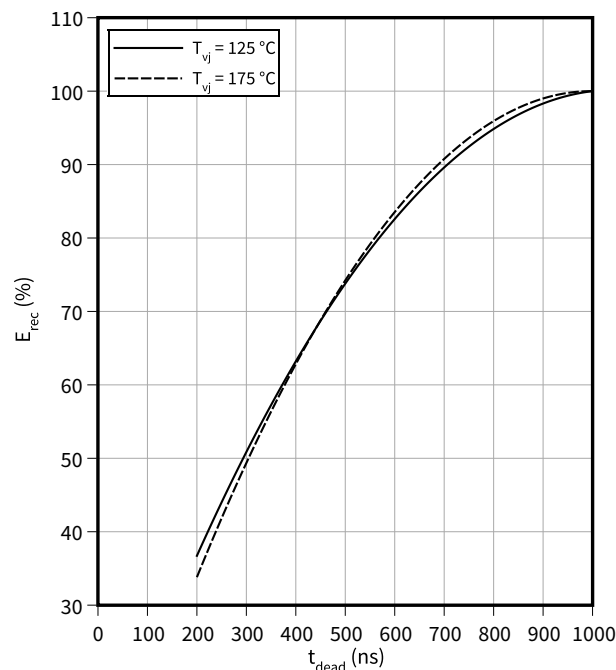
$R_{\text{Goff}} = 3.9 \Omega$, $R_{\text{Gon}} = 6.8 \Omega$, $V_{\text{GS(on)}} = 18 \text{ V}$, $I_{\text{SD}} = 500 \text{ A}$, $R_{\text{Gon,o}} = 2.4 \Omega$, $V_{\text{DD}} = 600 \text{ V}$, $T_{\text{vj}} = 175 \text{ °C}$



Switching losses body diode (typical), MOSFET, T1 / T2

$$E_{\text{rec}} = f(t_{\text{dead}})$$

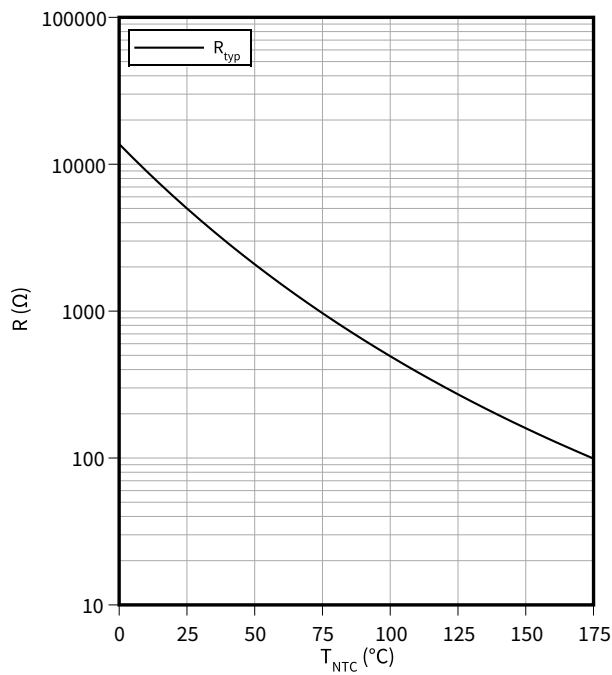
$R_{\text{Gon}} = 6.8 \Omega$, $I_{\text{D}} = 500 \text{ A}$, $V_{\text{DD}} = 600 \text{ V}$, $V_{\text{GS}} = -3/18 \text{ V}$



5 Characteristics diagrams

Temperature characteristic (typical), NTC-Thermistor

$R = f(T_{NTC})$



6 Circuit diagram

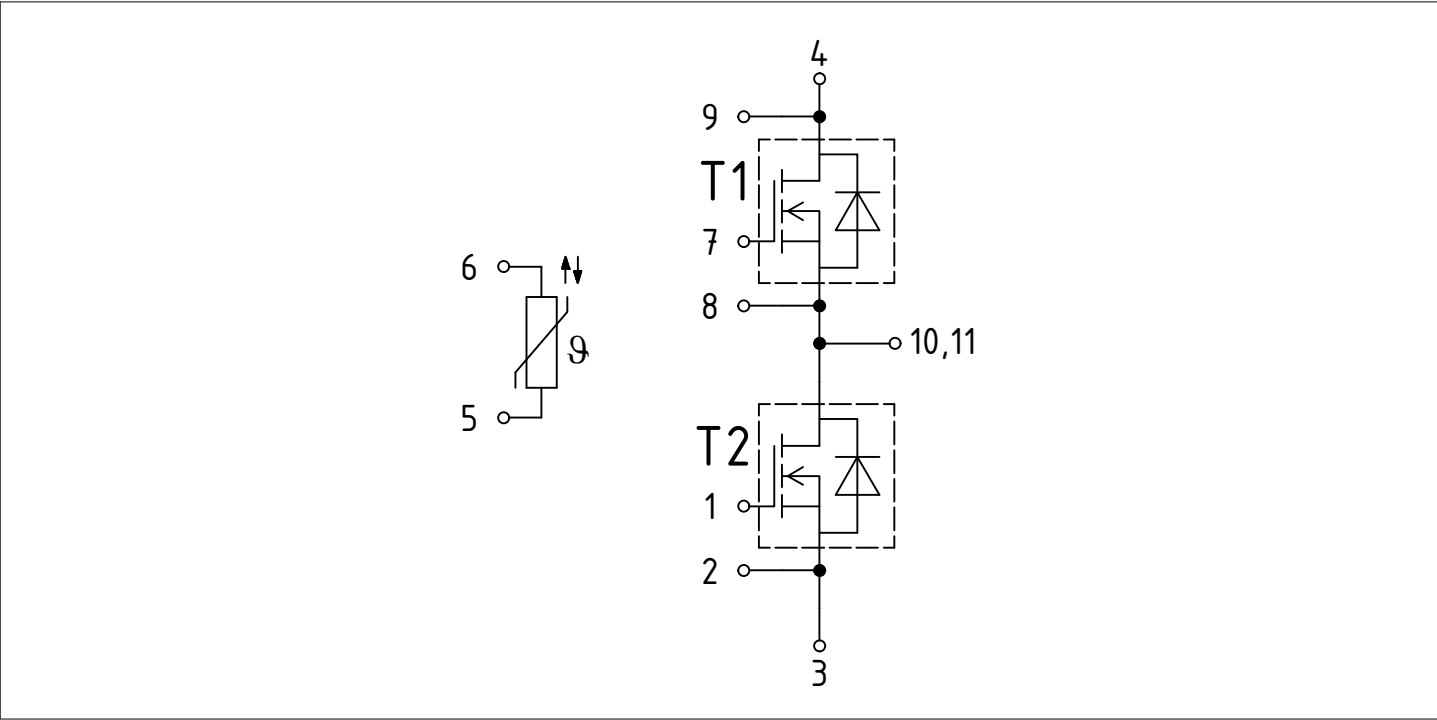


Figure 1

7 Package outlines

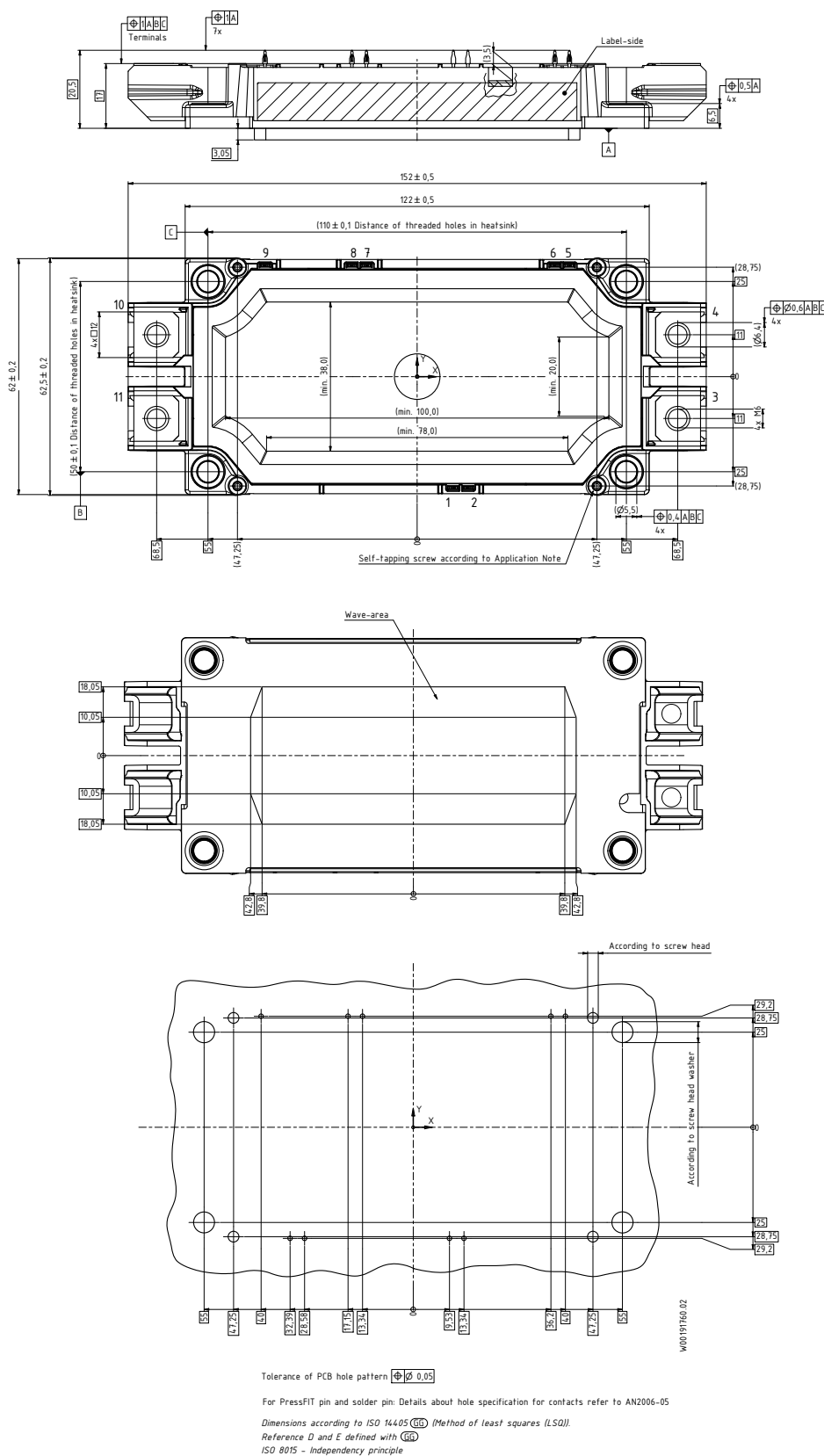


Figure 2

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	

Figure 3



Revision history

Revision history

Document revision	Date of release	Description of changes
0.10	2024-12-02	Preliminary datasheet
1.00	2025-03-06	Final datasheet

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