30V 6.5mW D4(6.(30)-2(V)3( )4(6.5m)]TQBT1 0q74084 16 r

Features

Product Summary (Q1 & Q2)

	Value	Unit
	30	V
	1.7	V
I_D (@ V_{GS} = 10V) (1)	37	A
$R_{DS(ON)_Typ}$ (@ V_{GS} = 10V)	6.5	mW
$R_{DS(ON)_Typ}$ (@ V_{GS} = 4.5V)	10.0	mW

Applications

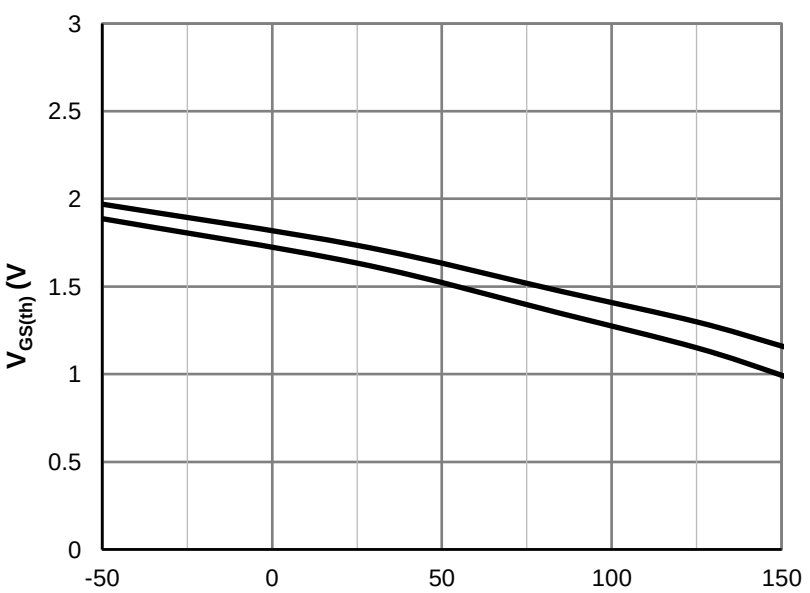
Ordering Information

Device	Package	# of Pins	Marking	MSL	T_J (°C)	Media	Quantity (pcs)
	DFN3030-8L	8	L0315AD	1	-55 to 150	13-inch Reel	5000

		Symbol		Unit
Drain-to-Source Voltage		V_{DS}	30	V
Gate-to-Source Voltage		V_{GS}	±20	V
Continuous Drain Current (1)	T_C = 25°C	I_D	37	A
	T_C = 100°C		24	
Pulsed Drain Current (2)		I_{DM}	137	A
Avalanche Current (3)		I_{AS}	13.0	A
Avalanche Energy (3)		E_{AS}	8.5	mJ
Power Dissipation (4)	T_C = 25°C	P_D	19.2	W
	T_C = 100°C		7.7	
Junction & Storage Temperature Range		T_J, T_{STG}	-55 to 150	°C

Symbol			Min.	Typ.	Max.	Unit
$V_{(BR)DSS}$			30			V
	V_{DS} = 24V, V_{GS} = 0V				1.0	
		T_J = 55°C			5.0	
I_{GSS}					±100	nA

Typical Electrical & Thermal Characteristics



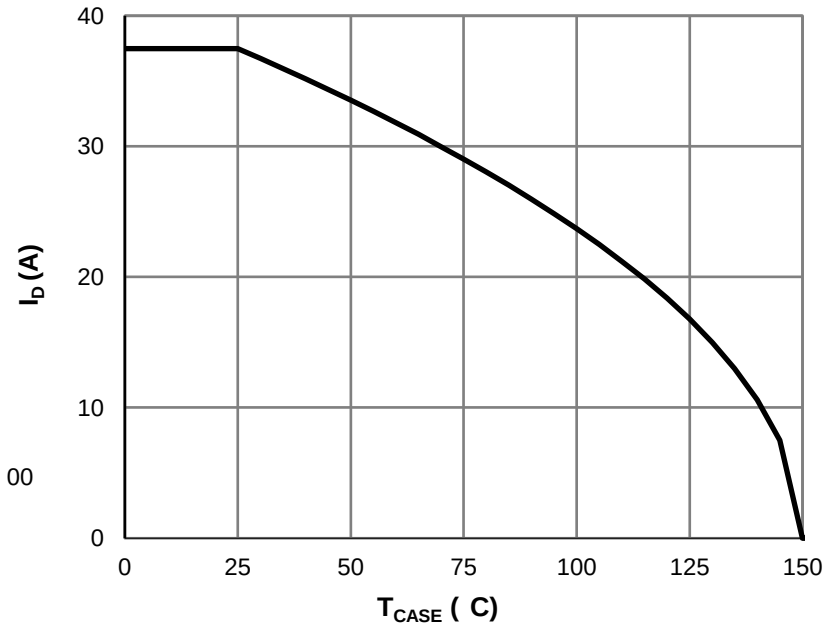


Figure 9: Current De-rating

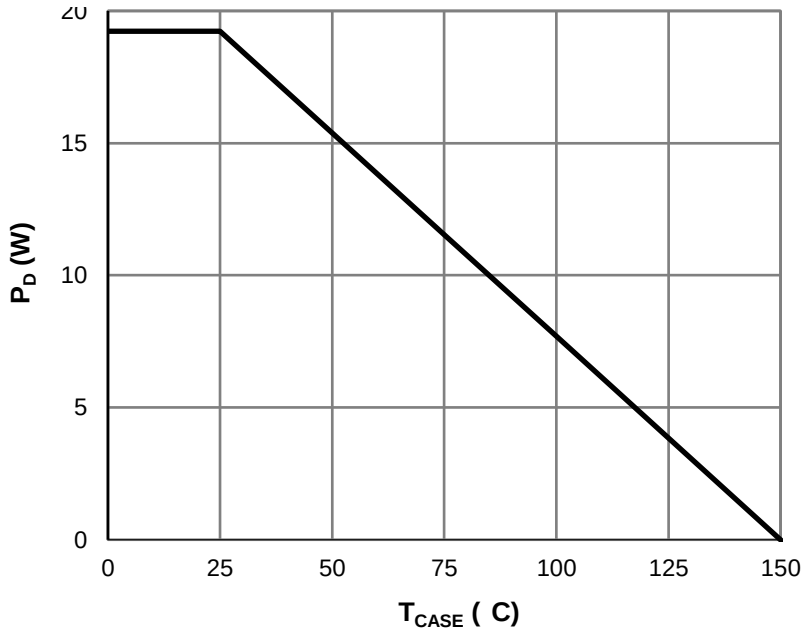
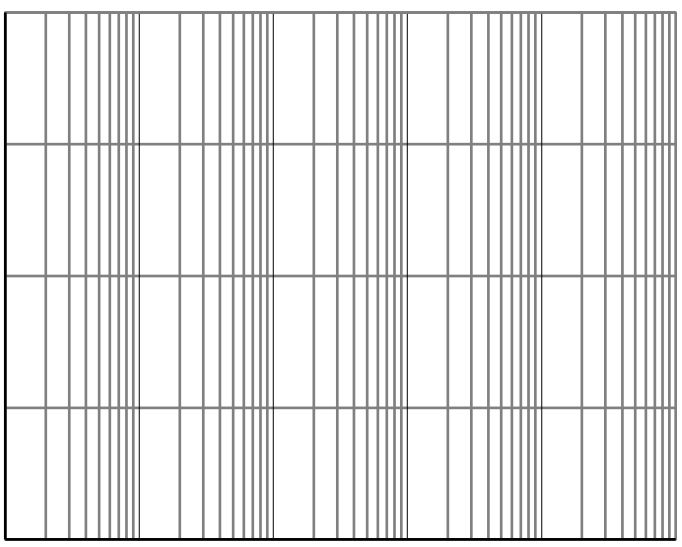


Figure 10: Power De-rating

1(s)] TJ

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Typical Electrical & Thermal Characteristics

DFN3030-8L Package Information

DIM.			
L1	--	0.22	--
K	--	0.35	--

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