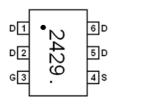
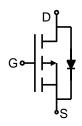


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Symbol	ymbol Parameter					
I _D @ TC = 25°C	Continuous Drain Current, V _{GS} @ 10V	-5	^			
I _{DM}	Pulsed Drain Current	-20	_ A			
P _D @TC = 25°C	Power Dissipation	1.4	W			
V _{DS}	Drain-Source Voltage	-20	V			
V _{GS}	Gate-to-Source Voltage	± 12	V			
T _J T _{STG}	Operating Junction and Storage Temperature Range	-55 to +150	°C			

Symbol	Characterizes	Тур.	Max.	Units
	Junction-to-ambient (t $\leq 10s$)			

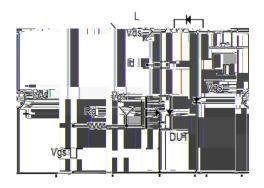


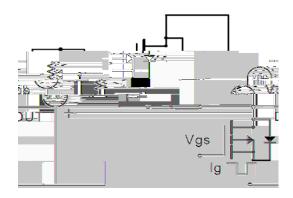
Symbol	Parameter	Min.	Тур.	Max.	Units	Conditions
$V_{(BR)DSS}$	Drain-to-Source breakdown voltage	-20			V	V _{GS} = 0V, ID = -
R _{DS(on)}	Static Drain-to-Source on-resistance		29	35		V _{GS} =-4.5V,I _D = -5A
			36	48		V _{GS} =-2.5V,I _D = -3A
V _{GS(th)}	Gate threshold voltage	-0.5		-1	V	V _{DS} = V _{GS} , I _D = -
I _{DSS}	Drain-to-Source leakage current			-1		V _{DS} = -20V,V _{GS} = 0V
	Octo to Course forward looks as			100		V _{GS} =12V
I _{GSS}	Gate-to-Source forward leakage			-100	nA	V _{GS} = -12V
Qg	Total gate charge		12			V _{DS} =-10V,
Q _{gs}	Gate-to-Source charge		1.3		nC	I _D =-4.5A, V _{GS} =-5V
Q_{gd}	Gate-to-Drain("Miller") charge		3.5			
t _{d(on)}	Turn-on delay time		11			V _{DD} =-10V,R _L =2.5 V _{GS} =-4.5V,R _{GEN} =3
t _r	Rise time		10			
$t_{\text{d(off)}}$	Turn-Off delay time		17		ns	
t _f	Fall time		22			
C _{iss}	Input capacitance		874		pF	V _{GS} = 0V
Coss	Output capacitance		99			$V_{DS} = -20V$
C _{rss}	Reverse transfer capacitance		86			1.0MHz

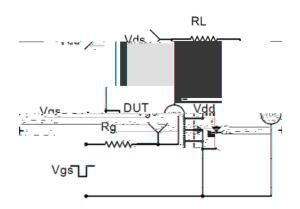
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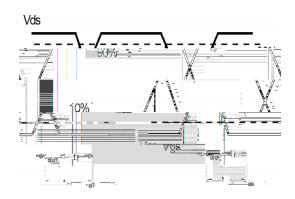
Symbol	Parameter	Min.	Тур.	Max.	Units	Conditions
Is	Continuous Source Current (Body Diode)			-5	А	MOSFET symbol
I _{SM}	Pulsed Source Current (Body Diode)			-20	А	integral reverse p-n junction diode.
V _{SD}	Diode Forward Voltage		-0.8	-1.3	V	I _S =-1.3A, V _{GS} =0V











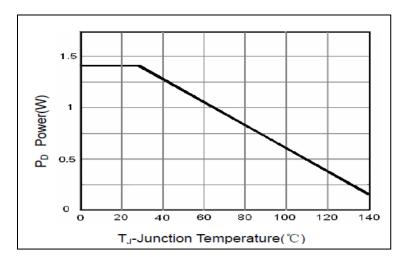
The maximum current rating is limited by bond-wires.

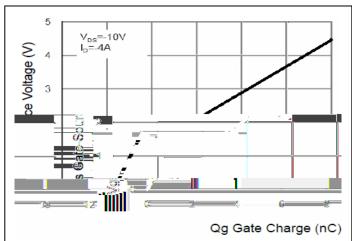
Repetitive rating; pulse width limited by max. junction temperature.

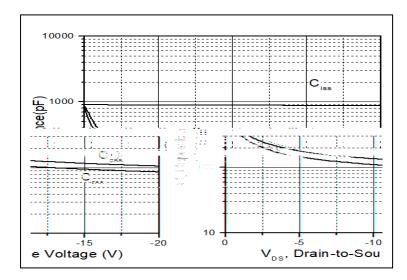
The power dissipation PD is based on max. junction temperature, using junction-to-case thermal resistance.

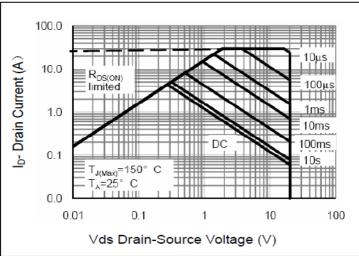
The value of $\,$ is measured with the device mounted on 1in 2 FR-4 board with 2oz. Copper, in a still air environment with TA =25°C

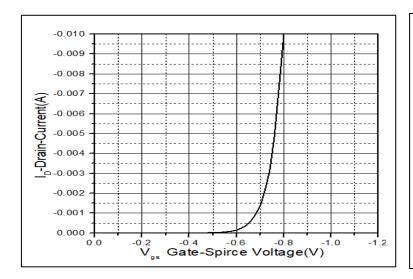


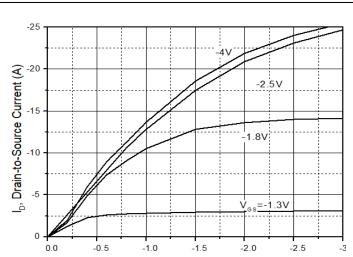














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