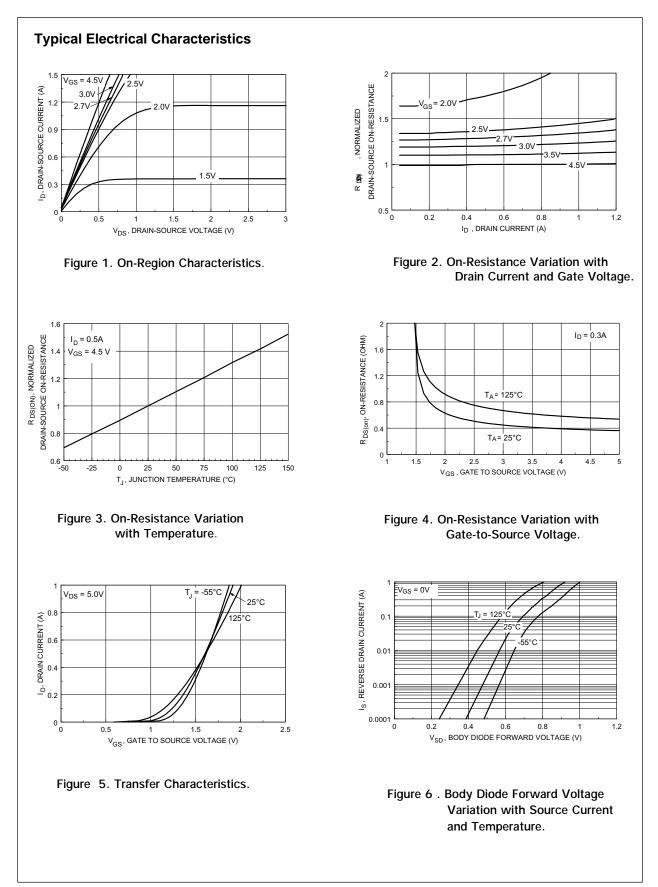


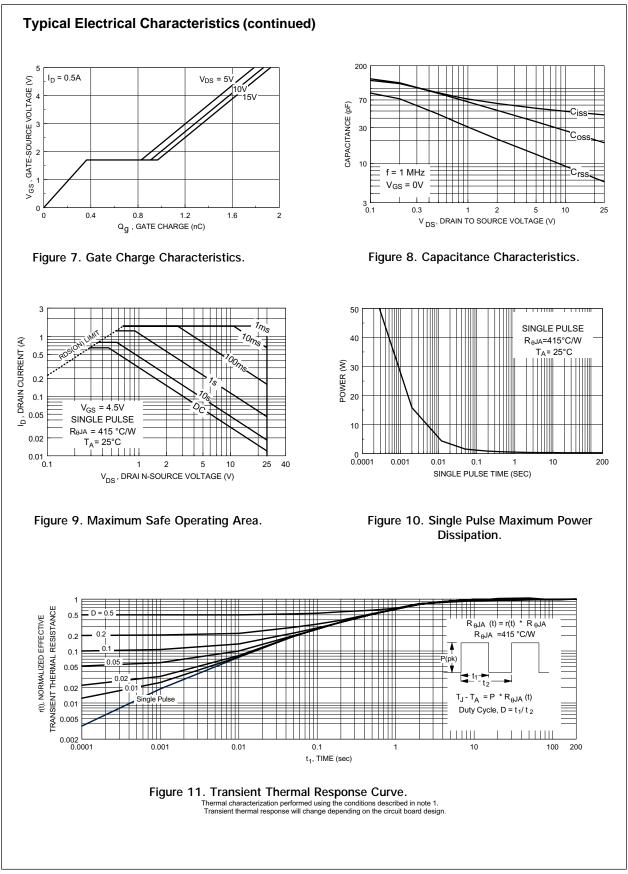
Symbol	Parameter	Conditions	Min	Тур	Max	Units
OFF CHAR	ACTERISTICS					
BV _{DSS}	Drain-Source Breakdown Voltage	$V_{GS} = 0 V, I_{D} = 250 \mu A$				V
$\Delta BV_{DSS}/\Delta T_{J}$	Breakdown Voltage Temp. Coefficient	$I_D = 250 \ \mu$ A, Referenced to 25° C		26		mV/°C
I _{DSS}	Zero Gate Voltage Drain Current	$V_{DS} = 20 V, V_{GS} = 0 V$			1	μA
		T _J = 55°C			10	μA
I _{GSS}	Gate - Body Leakage Current	V _{GS} = 8 V, V _{DS} = 0 V			100	nA
ON CHARAC	TERISTICS (Note 2)					
V _{GS(th)}	Gate Threshold Voltage	$V_{DS} = V_{GS}, I_{D} = 250 \mu A$	0.65	0.8	1.5	V
$\Delta V_{GS(th)} / \Delta T_J$	Gate Threshold Voltage Temp.Coefficient	$I_D = 250 \ \mu$ A, Referenced to 25° C		-2.6		mV/°C
R _{DS(ON)}	Static Drain-Source On-Resistance	$V_{GS} = 4.5 V, I_{D} = 0.5 A$		0.34	0.45	Ω
		T _J =125°C		0.55	0.77	
		$V_{GS} = 2.7 \text{ V}, I_{D} = 0.2 \text{ A}$		0.44	0.6	
I _{D(ON)}	On-State Drain Current	V _{GS} = 2.7 V, V _{DS} = 5 V	0.5			А
9 _{FS}	Forward Transconductance	$V_{DS} = 5 V, I_{D} = 0.5 A$		1.45		S
DYNAMIC CI	HARACTERISTICS					
C _{iss}	Input Capacitance	$V_{DS} = 10 \text{ V}, \text{ V}_{GS} = 0 \text{ V},$ f = 1.0 MHz		50		pF
C _{oss}	Output Capacitance	f = 1.0 MHz		28		pF
C _{rss}	Reverse Transfer Capacitance			9		pF
SWITCHING	CHARACTERISTICS (Note 2)					
t _{D(on)}	Turn - On Delay Time	$V_{DD} = 5 V, I_{D} = 0.5 A,$		3	6	ns
ţ	Turn - On Rise Time	$V_{\rm GS}$ = 4.5 V, R _{GEN} = 50 Ω		8.5	18	ns
t _{D(off)}	Turn - Off Delay Time			17	30	ns
t _r	Turn - Off Fall Time			13	25	ns
Q _g	Total Gate Charge	$V_{DS} = 5 V, I_D = 0.5 A,$		1.64	2.3	nC
Q _{gs}	Gate-Source Charge	$V_{GS}^{0} = 4.5 V^{0}$		0.38		nC
Q _{gd}	Gate-Drain Charge			0.45		nC
DRAIN-SOU	RCE DIODE CHARACTERISTICS AND MAXIM	UMRATINGS				
l _s	Maximum Continuous Source Current	kimum Continuous Source Current			0.25	Α
V _{SD}	Drain-Source Diode Forward Voltage	$V_{GS} = 0 V, I_{S} = 0.25 A$ (Note 2)		0.8	1.2	V

Notes:

1. R_{pk} is the sum of the junction-to-case and case-to-ambient thermal resistance where the case thermal reference is defined as the solder mounting surface of the drain pins. R_{pkc} is guaranteed y_{μμ}A
by design while R_{μcA} is determined by the user's board design. R_{μJA} = 415°C/W on minimum pad mounting on FR-4 board in still air.
Pulse Test: Pulse Width ≤ 300µs, Duty Cycle ≤ 2.0%.



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