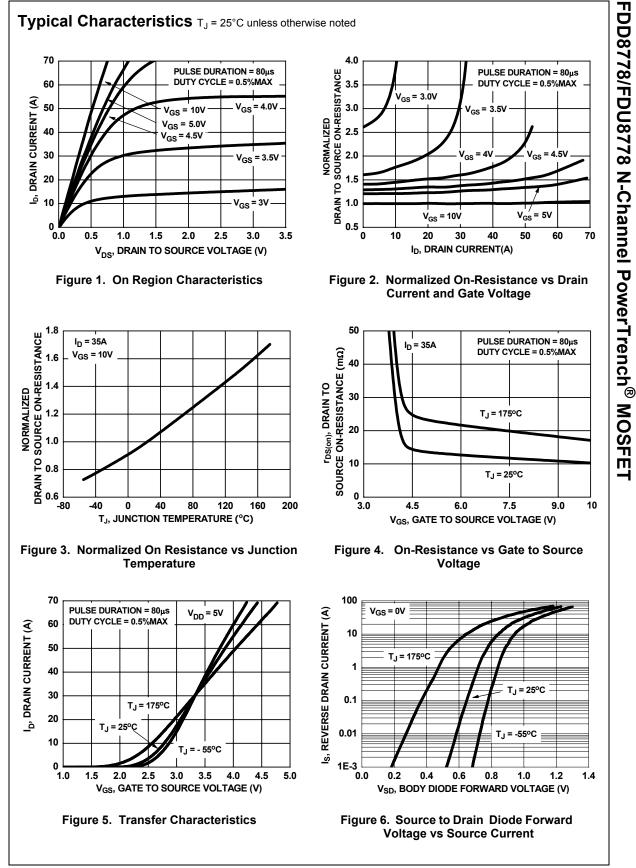
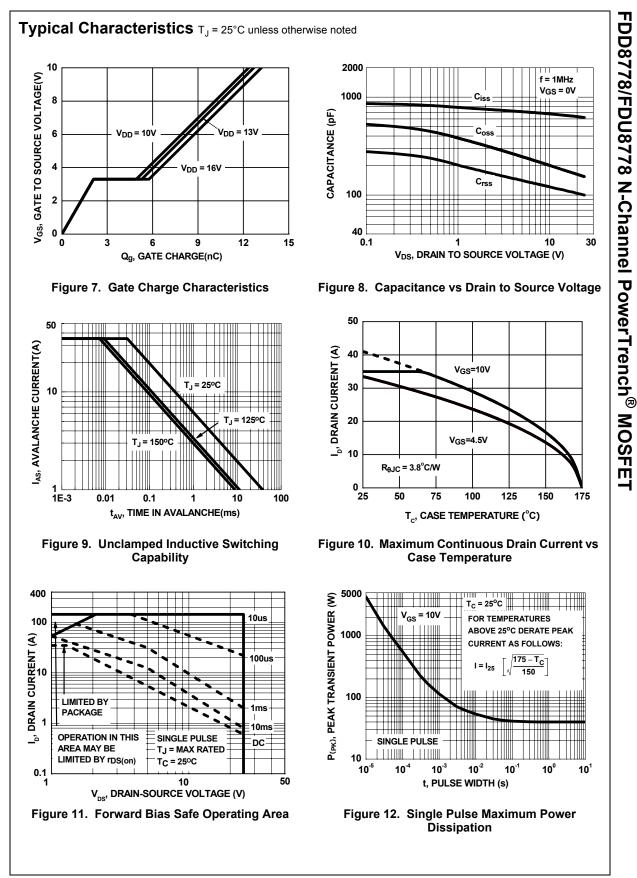


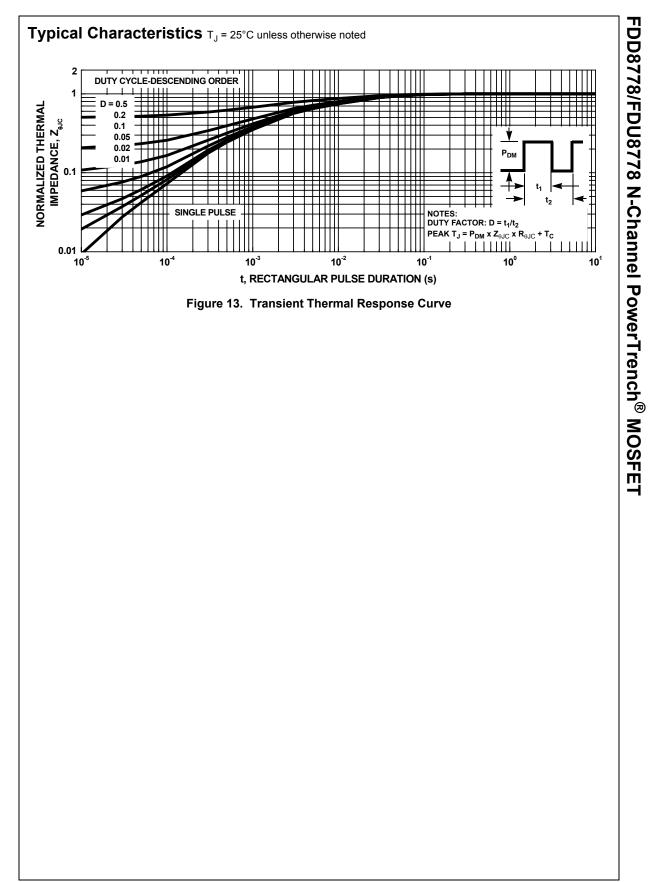
Symbol	Parameter	Test Conditions	Min	Тур	Max	Units	
Off Chara	cteristics						
BV _{DSS}	Drain to Source Breakdown Voltage	I _D = 250μA, V _{GS} = 0V	25			V	
$\frac{\Delta BV_{DSS}}{\Delta T_{I}}$	Breakdown Voltage Temperature Coefficient	$I_D = 250 \mu A$, referenced t 25°C	to	17.2		mV/°C	
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} = 20V, V _{GS} = 0V T _J = 1	50°C		1 250	μΑ	
I _{GSS}	Gate to Source Leakage Current	V _{GS} = ±20V			±10	μA	
	cteristics				1		
V _{GS(th)}	Gate to Source Threshold Voltage	$V_{GS} = V_{DS}, I_{D} = 250 \mu A$	1.2	1.5	2.5	V	
$\frac{\Delta V_{GS(th)}}{\Delta T_{.1}}$	Gate to Source Threshold Voltage Temperature Coefficient	$I_D = 250 \mu A$, referenced 25°C		-5.3	2.0	mV/°C	
r _{DS(on)}	Drain to Source On Resistance	V _{GS} = 10V, I _D = 35A		11.6	14.0	1	
		V _{GS} = 4.5V, I _D = 33A		15.7	21.0	mΩ	
		V _{GS} = 10V, I _D = 35A T _J = 175°C		18.2	23.8	- 1115.2	
Dynamic	Characteristics						
C _{iss}	Input Capacitance			635	845	pF	
C _{oss}	Output Capacitance	V _{DS} = 13V, V _{GS} = 0V, f = 1MHz		160	215	pF	
C _{rss}	Reverse Transfer Capacitance			108	162	pF	
Rg	Gate Resistance	f = 1MHz		1.3		Ω	
Switching	g Characteristics						
t _{d(on)}	Turn-On Delay Time			6	12	ns	
t _r	Rise Time	$V_{DD} = 13V, I_D = 35A$		22	35	ns	
t _{d(off)}	Turn-Off Delay Time	V _{GS} = 10V, R _{GS} = 27Ω		43	69	ns	
t _f	Fall Time			32	51	ns	
Q _{g(TOT)}	Total Gate Charge at 10V	V_{GS} = 0V to 10V	1011	12.6	18	nC	
Q _{g(5)}	Total Gate Charge at 5V	$V_{GS} = 0V \text{ to } 5V$ $V_{DD} = 13V$ $I_D = 35A$ $I_g = 1.0\text{mA}$		6.7	9.4	nC	
Q _{gs}	Gate to Source Gate Charge			2.1		nC	
Q _{gd}	Gate to Drain "Miller"Charge	. 'g '		3.2		nC	
Drain-Sou	urce Diode Characteristics		· ·				
V	Source to Drain Diode Forward Voltage	V _{GS} = 0V, I _S = 35A		1.03	1.25	V	
V _{SD}	Bourse to Drain Diode Torward Voltage	V _{GS} = 0V, I _S = 15A		0.89	1.2	v	
t	Reverse Recovery Time	I_F = 35A, di/dt = 100A/µ		25	38	ns	
t _{rr}		I _F = 35A, di/dt = 100A/μ					

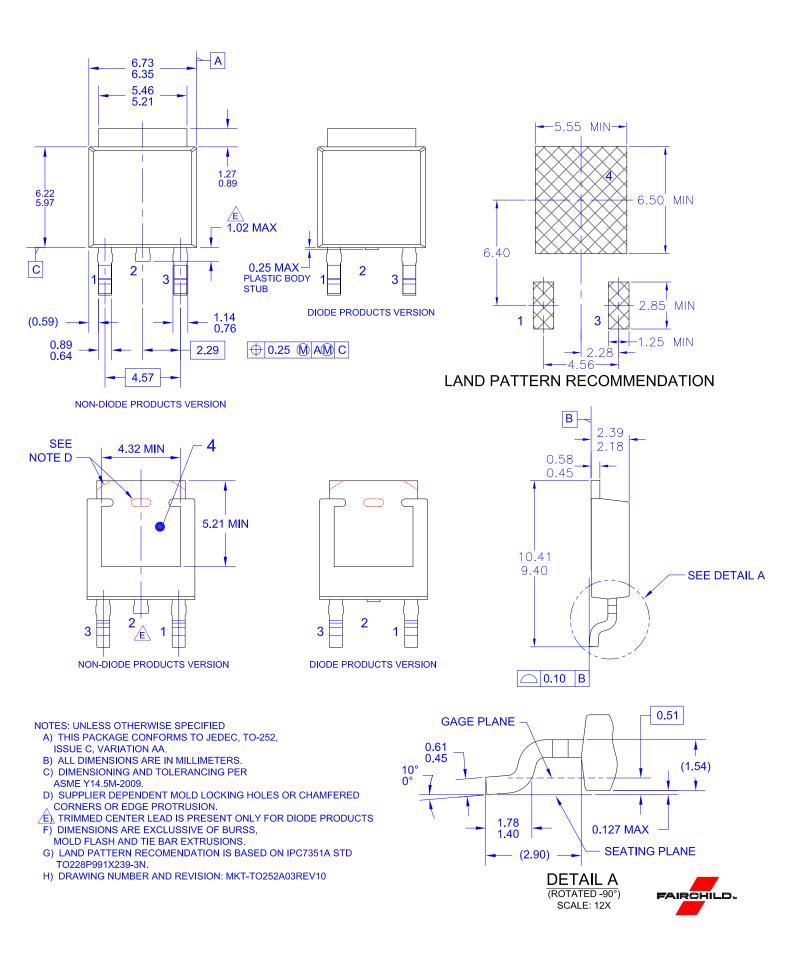


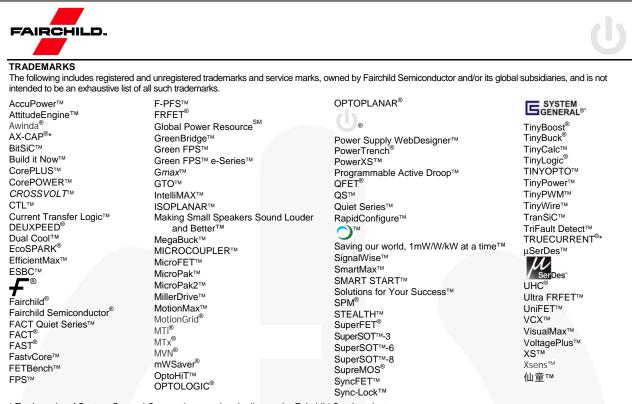
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