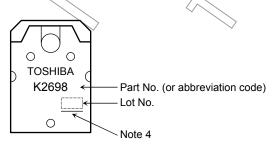
Electrical Characteristics (Ta = 25°C)

Characteristics		Symbol	Test Condition	Min	Тур.	Max	Unit
Gate leakage current		I _{GSS}	V _{GS} = ±25 V, V _{DS} = 0 V	_	_	±10	μΑ
Gate-source breakdown voltage		V (BR) GSS	I _G = ±10 μA, V _{DS} = 0 V	±30	_	_	V
Drain cut-off current		I _{DSS}	V _{DS} = 500 V, V _{GS} = 0 V	\	_	100	μA
Drain-source breakdown voltage		V (BR) DSS	I _D = 10 mA, V _{GS} = 0 V	500	_	_	V
Gate threshold voltage		V_{th}	V _{DS} = 10 V, I _D = 1 mA	2.0) >_	4.0	V
Drain-source ON resistance		R _{DS} (ON)	V _{GS} = 10 V, I _D = 7.0 A	>_	0.35	0.4	Ω
Forward transfer admittance		Y _{fs}	V _{DS} = 10 V, I _D = 7.0 A	<u>6</u>	11	_	S
Input capacitance		C _{iss}	V _{DS} = 10 V, V _{GS} = 0 V, f = 1 MHz	_	2600	_	pF
Reverse transfer capacitance		C _{rss}		^ —	280	_	
Output capacitance		Coss		_	880		
Switching time	Rise time	t _r	V_{GS} V_{OV} $R_{L} = 30\Omega$	- (50	∕> ¹ >	-
	Turn-on time	t _{on}			85) –	
	Fall time	t _f		65	_	ns	
	Turn-off time	t _{off}	Duty $\leq 1\%$, $t_{\rm W} = 10 \mu {\rm s}$		260	1	
Total gate charge (gate-source plus gate-drain)		Q_g		_	58	-	
Gate-source charge		Q _{gs}	$V_{DD} \approx 400 \text{ V}, V_{GS} = 10 \text{ V}, I_{D} = 15 \text{ A}$	_	36	_	nC
Gate-drain ("miller") Charge		Q _{gd}			22		

Source-Drain Ratings and Characteristics (Ta = 25°C

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Continuous drain reverse current (Note 1)	IÓR		_	_	15	Α
Pulse drain reverse current (Note 1)) I _{DRP}	_	-	-	60	Α
Forward voltage (diode)	V _{DSF}	I _{DR} = 15 A, V _{GS} = 0 V	_	_	-1.7	V
Reverse recovery time	t _{rr} Q _{rr}	I _{DR} = 15 A, V _{GS} = 0 V dI _{DR} / dt = 100 A / μs	_	400	_	ns
Reverse recovery charge			_	4.3	_	μC

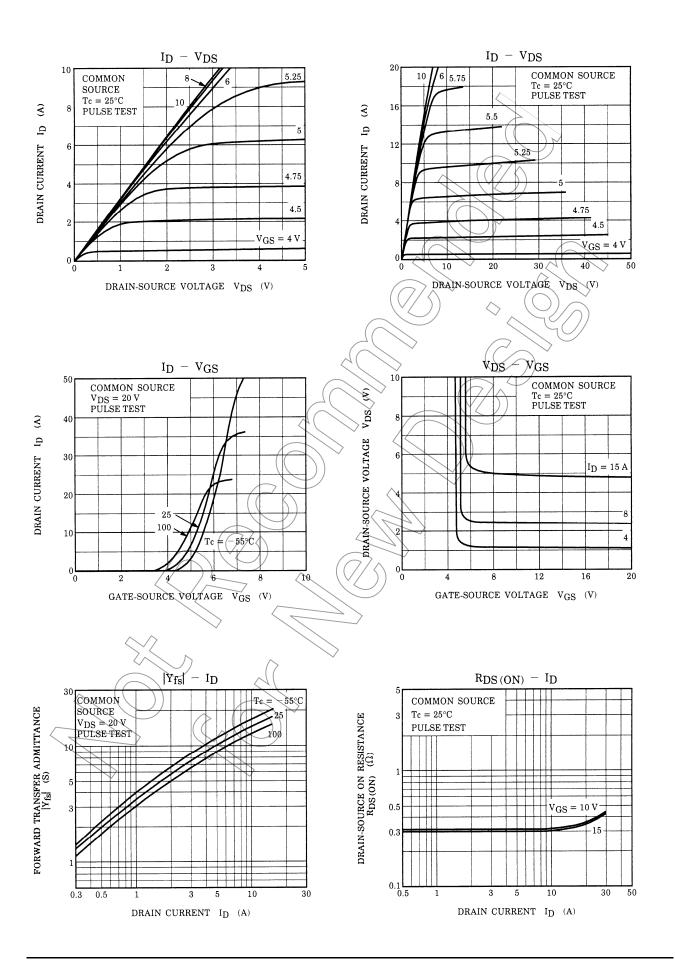


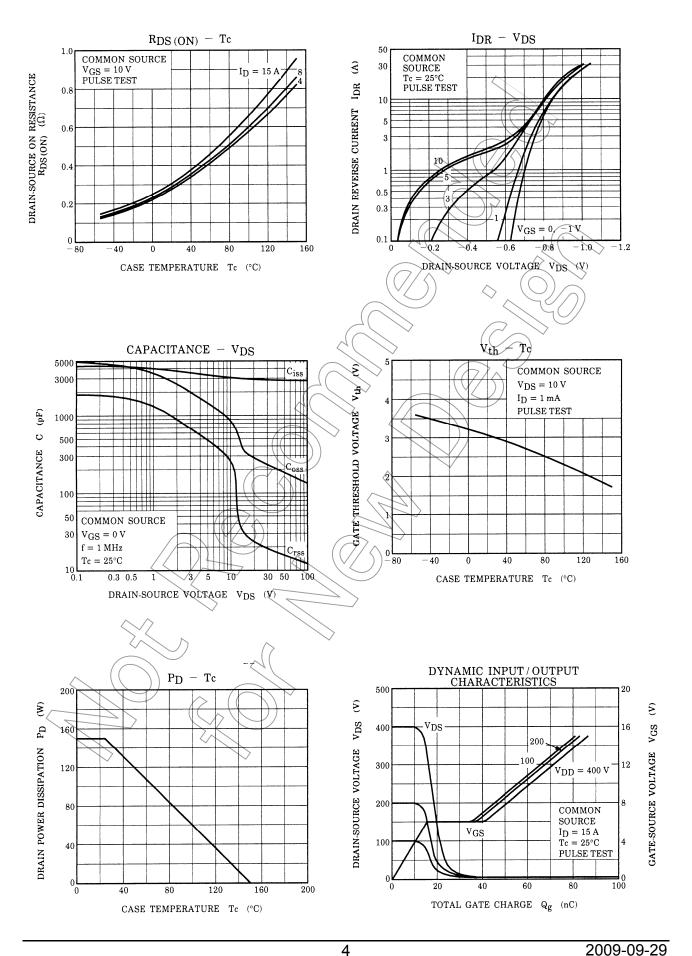


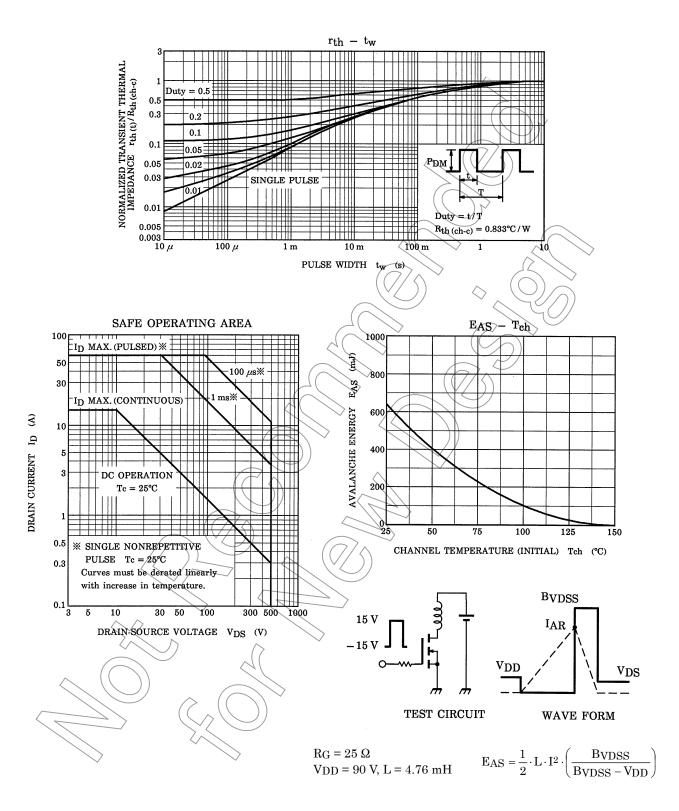
Note 4: A line under a Lot No. identifies the indication of product Labels.

Not underlined: [[Pb]]/INCLUDES > MCV Underlined: [[G]]/RoHS COMPATIBLE or [[G]]/RoHS [[Pb]]

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