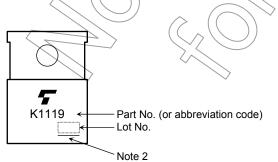
Electrical Characteristics (Ta = 25°C)

Characteristics		Symbol	Test Condition	Min	Тур.	Max	Unit
Gate leakage current		I _{GSS}	V _{GS} = ±20 V, V _{DS} = 0 V	_	—	±100	nA
Drain cut-off current		I _{DSS}	V _{DS} = 800 V, V _{GS} = 0 V		_	300	μA
Drain-source breakdown voltage		V (BR) DSS	I _D = 10 mA, V _{GS} = 0 V \langle	1000	_	_	V
Gate threshold voltage		V _{th}	V _{DS} = 10 V, I _D = 1 mA	(1.5	4	3.5	V
Drain-source ON resistance		R _{DS (ON)}	V _{GS} = 10 V, I _D = 2 A	$\langle \rangle$	3.0	3.8	Ω
Forward transfer admittance		Y _{fs}	$V_{DS} = 20 V, I_D = 2 A$	1.0	2.0	_	S
Input capacitance		C _{iss}		Ľ	700	_	
Reverse transfer capacitance		C _{rss}	V _{DS} = 25 V, V _{GS} = 0 V, f = 1 MHz	> —	55	_	pF
Output capacitance		Coss		_	100	_	
Switching time	Rise time	tr	$- V_{GS} \stackrel{10V}{}_{0V} \prod \qquad I_{D} = 2A \qquad - \\ V_{GS} \stackrel{10V}{}_{0V} \prod \qquad V_{OUT} \qquad - \\ R_{L} = 200\Omega \qquad - \\ R_{L$	_ (18	\checkmark	
	Turn-on time	t _{on}			30) —	
	Fall time	t _f		12	_	ns	
	Turn-off time	t _{off}	$V_{DD} = 400V$ $Duty \leq 1\%, t_W = 10\mu s$	Z	70	_	
Total gate charge (Gate-source plus gate-drain)		Qg		_	60	_	
Gate-source charge		Q _{gs}	$V_{DD} \approx 400 \text{ V}, \text{ V}_{GS} = 10 \text{ V}, \text{ I}_{D} = 6 \text{ A}$	_	35	—	nC
Gate-drain ("miller") charge		Q _{gd}		—	25	—	

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

Characteristics	Symbol	Test Condition	Min	Тур.	Max	Unit
Continuous drain reverse current	Ipr		_	_	4	А
Pulse drain reverse current (Note 1) IDRP –				_	12	А
Forward voltage (diode)	V _{DSF}	I _{DR} = 4 A, V _{GS} = 0 V	_	_	-1.9	V
	\wedge	>				

Marking



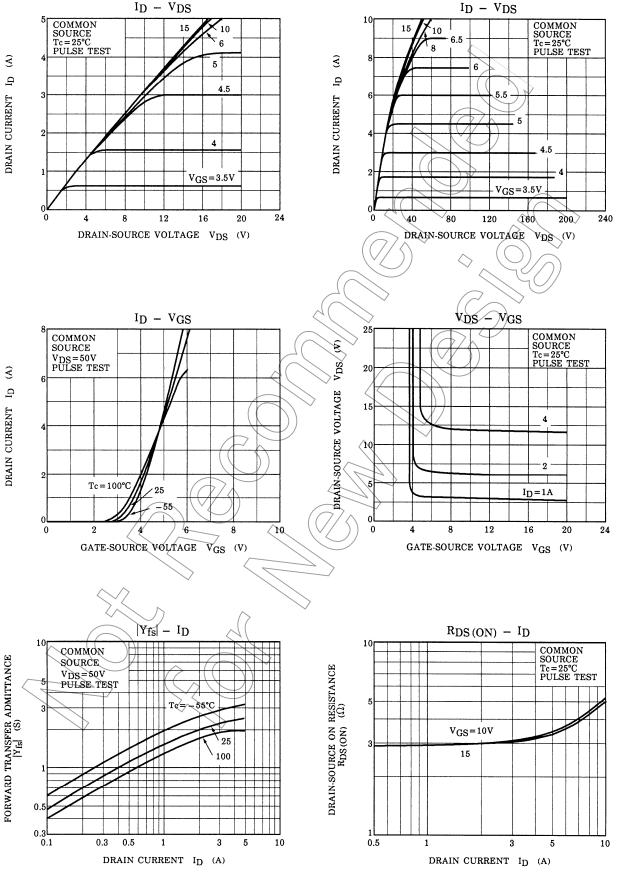
Note 2: A line under a Lot No. identifies the indication of product Labels.

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

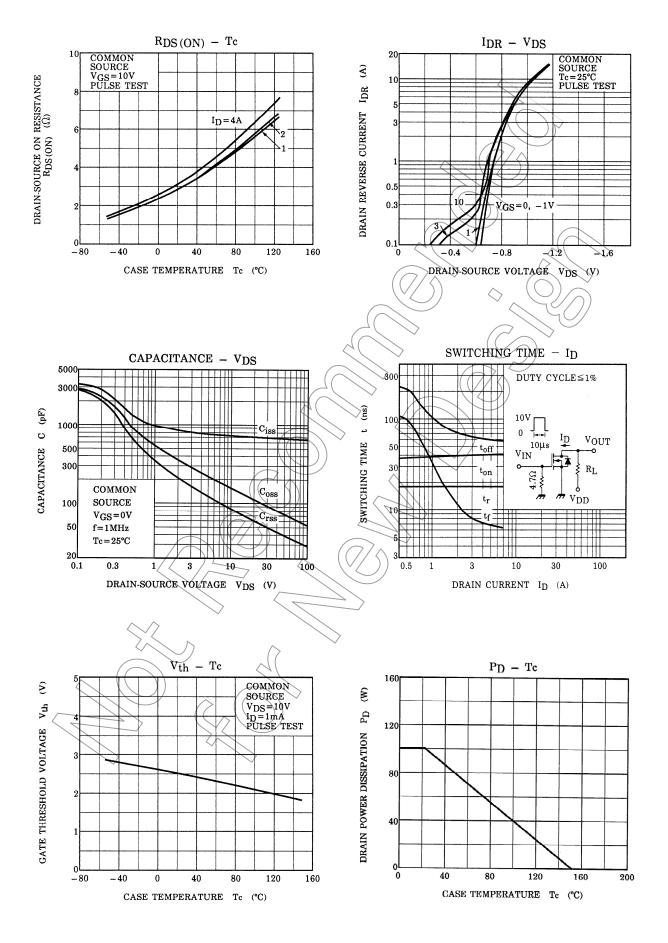
Please contact your TOSHIBA sales representative for details as to environmental matters such as the RoHS compatibility of Product. The RoHS is the Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

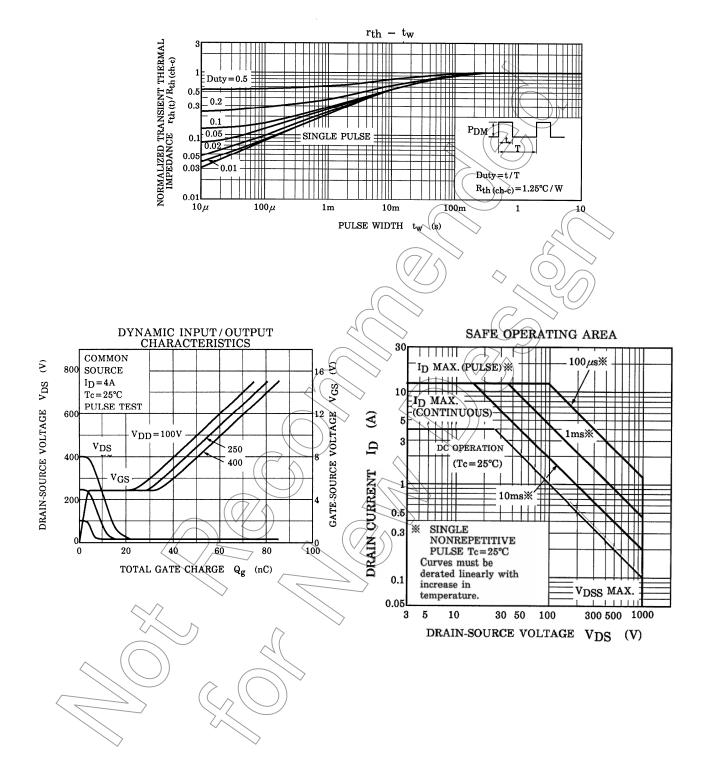
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