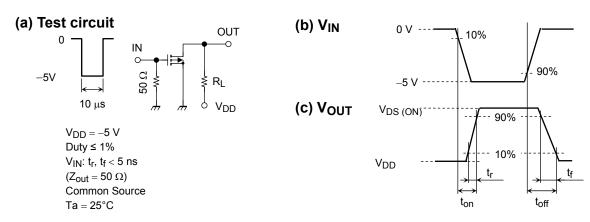
Electrical Characteristics (Ta = 25°C)

Characteristic		Symbol	Test Condition	MIN.	TYP.	MAX.	UNIT
Gate leakage current		I _{GSS}	$V_{GS} = \pm 16 \text{ V}, V_{DS} = 0$	_	_	±1	μА
Drain-Source breakdown voltage		V (BR) DSS	$I_D = -0.1 \text{ mA}, V_{GS} = 0$	-30	_	_	V
Drain cut-off current		I _{DSS}	$V_{DS} = -30 \text{ V}, V_{GS} = 0$	_		-1	μА
Gate threshold voltage		V_{th}	$V_{DS} = -3 \text{ V}, I_D = -0.1 \text{ mA}$	-1.1		-1.7	>
Forward transfer admittance		Y _{fs}	$V_{DS} = -3 \text{ V}, I_D = -10 \text{ mA}$	20		_	mS
Drain-Source ON resistance		R _{DS (ON)}	$I_D = -10 \text{ mA}, V_{GS} = -4 \text{ V}$	_	8	12	Ω
			$I_D = -1 \text{ mA}, V_{GS} = -2.5 \text{ V}$	_	14	32	
Input capacitance		C _{iss}	$V_{DS} = -3 \text{ V}, V_{GS} = 0, f = 1 \text{ MHz}$	_	9.1	_	pF
Reverse transfer capacitance		C _{rss}		_	3.5	_	pF
Output capacitance		Coss		_	8.6	_	pF
Switching time	Turn-on time	t _{on}	$V_{DD} = -5 \text{ V}, I_D = -10 \text{ mA},$ $V_{GS} = 0 \text{ to } -5 \text{ V}$	_	65	_	ns
	Turn-off time	t _{off}			175		

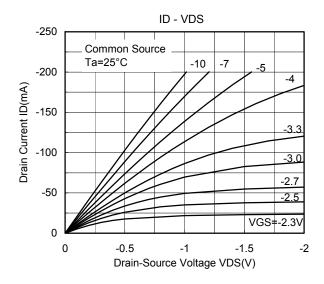
Switching Time Test Circuit

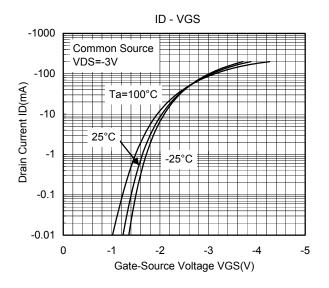


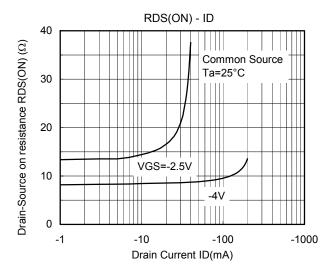
Precaution

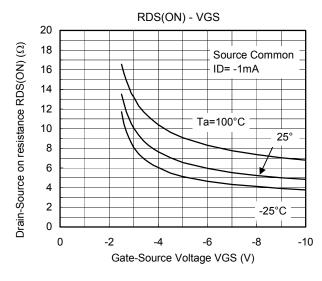
 V_{th} can be expressed as voltage between gate and source when low operating current value is $I_D=-100~\mu A$ for this product. For normal switching operation, $V_{GS~(on)}$ requires higher voltage than V_{th} and $V_{GS~(off)}$ requires lower ${\rm voltage}$ than V_{th} . (Relationship can be established as follows: $V_{GS~(off)} < V_{th} < V_{GS~(on)}$)

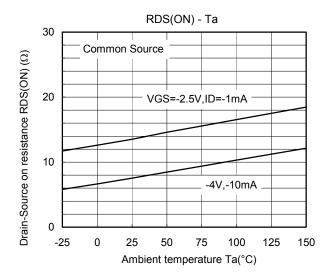
Please take this into consideration for using the device.

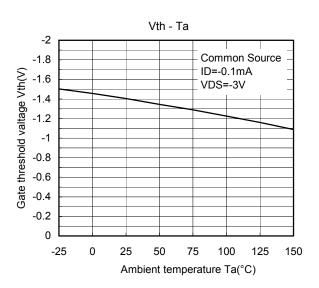




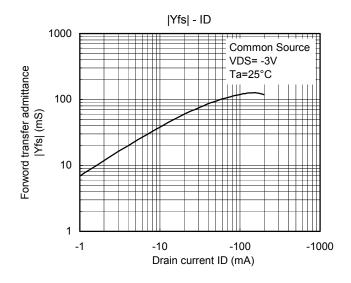


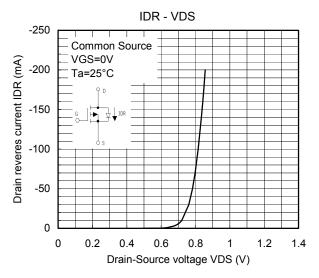


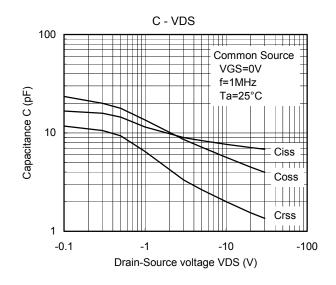


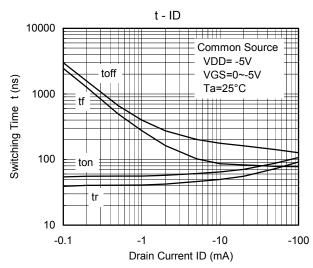


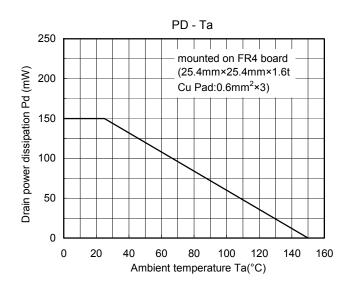
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