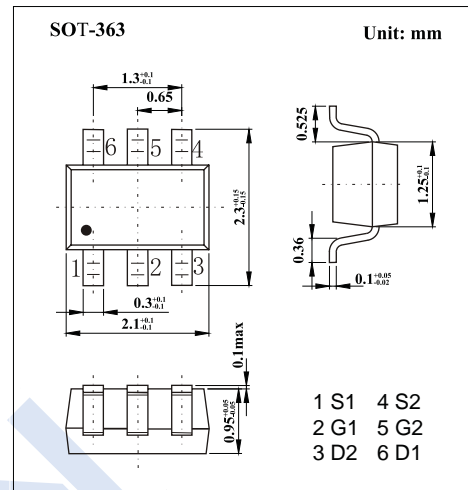
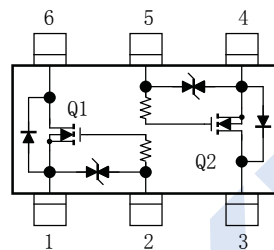


Dual N-channel MOSFET

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■ Features

- $BV_{DSS} = 30\text{ V}$
- $R_{DS(ON)} \leq 4.0\ \Omega @ V_{GS} = 4\text{ V}$
- $R_{DS(ON)} \leq 7.0\ \Omega @ V_{GS} = 2.5\text{ V}$

■ Absolute Maximum Ratings ($T_A = 25^\circ\text{C}$, Q1, Q2 Common)

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	30	V
Gate-Source Voltage	V_{GS}	± 20	
Continuous Drain Current	I_D	100	mA
Pulsed Drain Current	I_{DP}	200	
Power Dissipation	P_D	200	mW
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 to 150	

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■ Electrical Characteristics ($T_A = 25^\circ\text{C}$, Q1, Q2 Common)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DS}	$I_D = 100 \mu\text{A}$, $V_{GS} = 0\text{V}$	30			V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS} = 30\text{V}$, $V_{GS} = 0\text{V}$			1	μA
Gate to Source Leakage Current	I_{GSS}	$V_{DS} = 0\text{V}$, $V_{GS} = \pm 16\text{V}$			± 1	
Gate to Source Threshold Voltage	V_{th}	$V_{DS} = 3\text{V}$, $I_D = 0.1\text{mA}$	0.8		1.5	V
Static Drain-Source On-Resistance	$R_{DS(on)}$	$V_{GS} = 4\text{V}$, $I_D = 10\text{mA}$		2.2	4.0	Ω
		$V_{GS} = 2.5\text{V}$, $I_D = 10\text{mA}$		4.0	7.0	
Forward Transconductance	g_{FS}	$V_{DS} = 3\text{V}$, $I_D = 10\text{mA}$	25			mS
Input Capacitance	C_{iss}	$V_{GS} = 0\text{V}$, $V_{DS} = 3\text{V}$, $f = 1\text{MHz}$		7.8		pF
Output Capacitance	C_{oss}			8.8		
Reverse Transfer Capacitance	C_{rss}			3.6		
Turn-On DelayTime	$t_{d(on)}$	$V_{GS} = 0\sim 5\text{V}$, $V_{DD} = 5\text{V}$, $I_D = 10\text{mA}$		50		ns
Turn-Off DelayTime	$t_{d(off)}$			180		

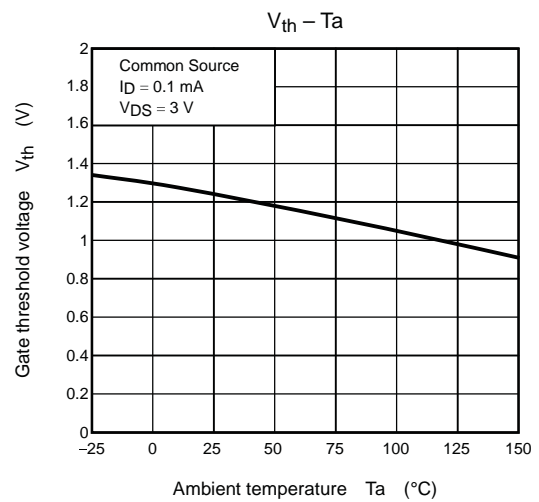
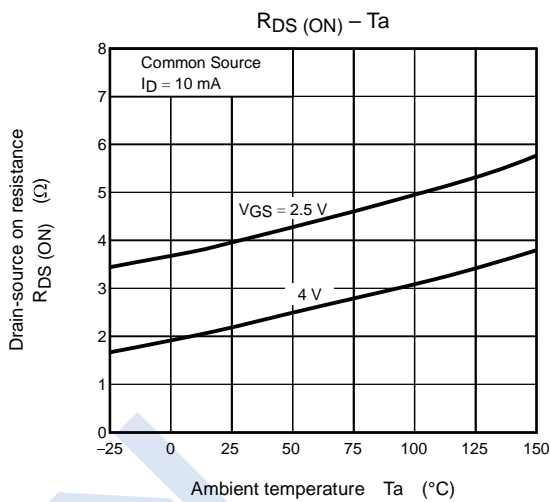
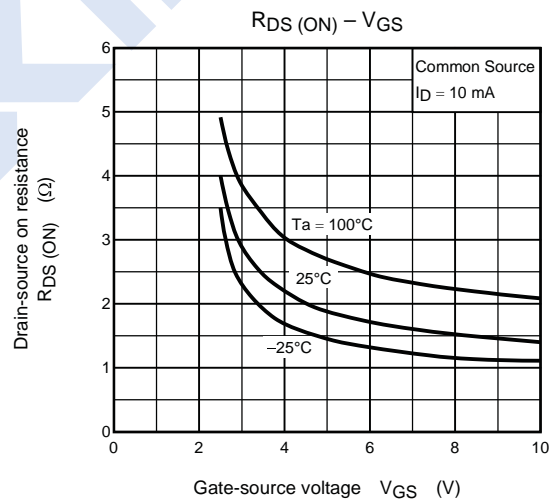
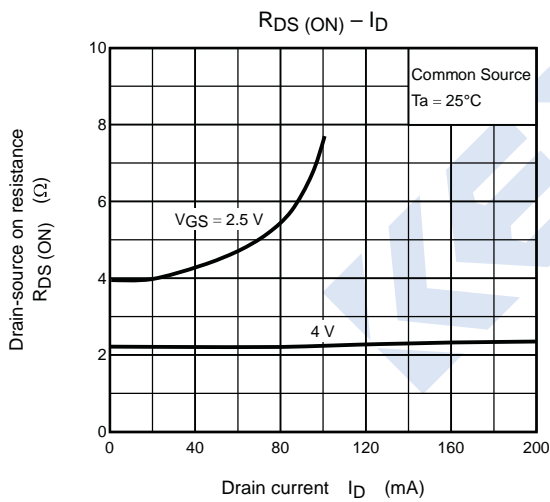
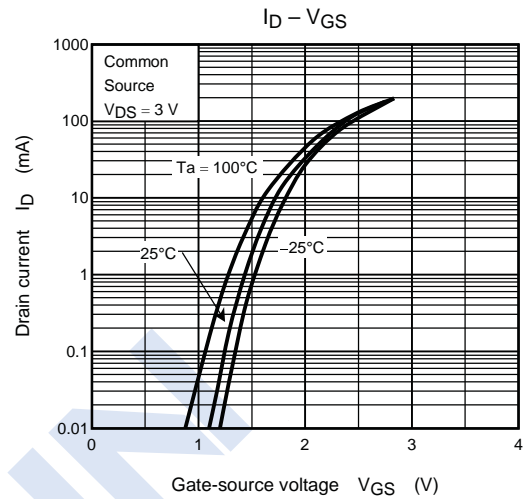
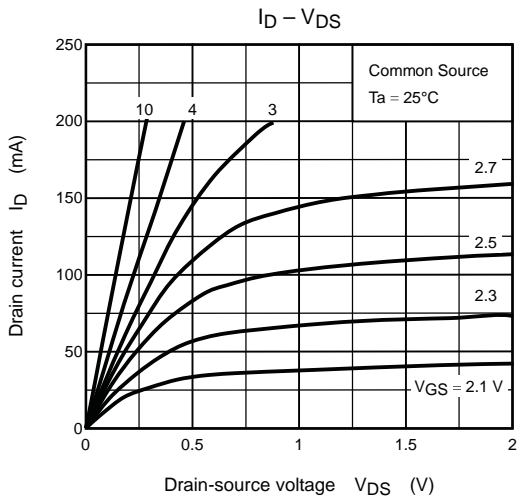
■ Marking

Marking	DP
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Dual N-channel MOSFET

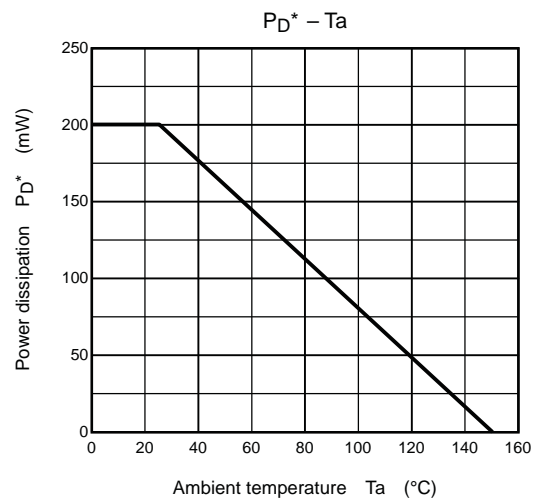
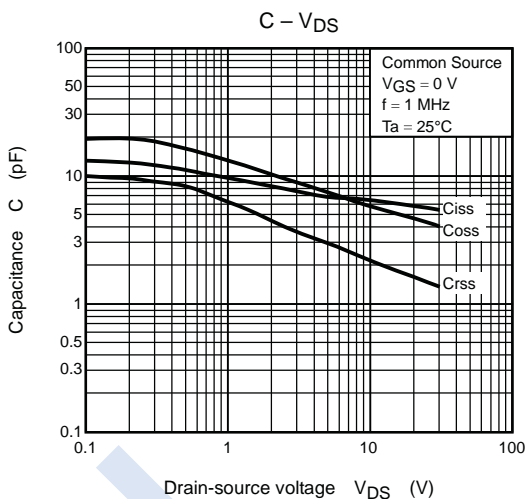
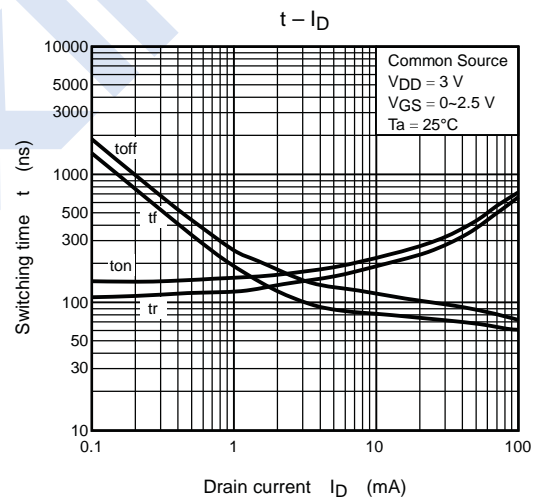
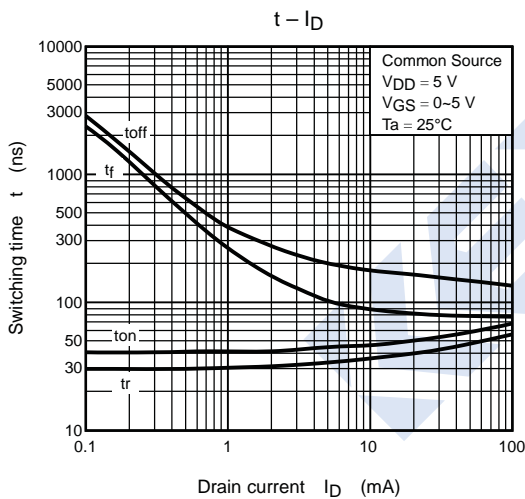
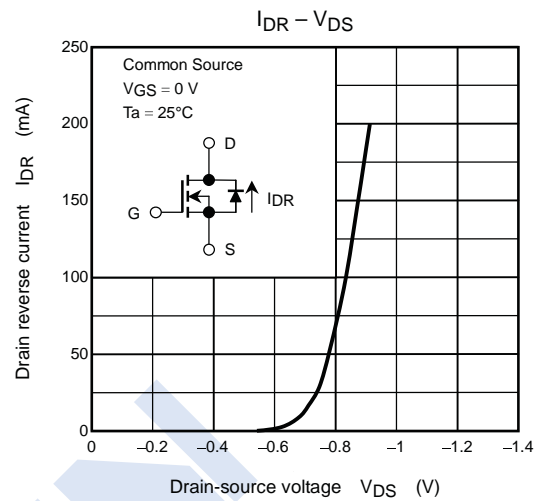
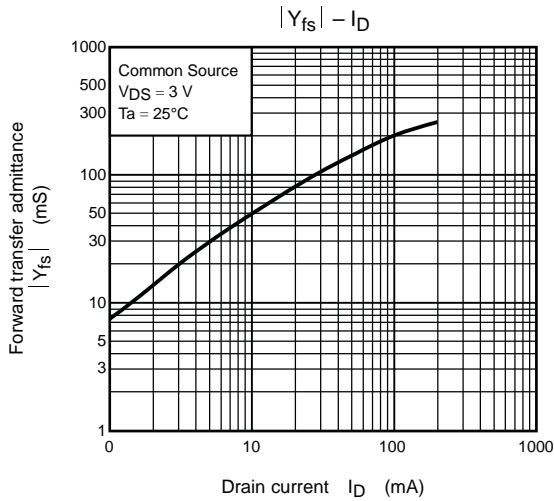
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■ Typical Characteristics (Ta = 25°C, Q1, Q2 Common)



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*: Total rating