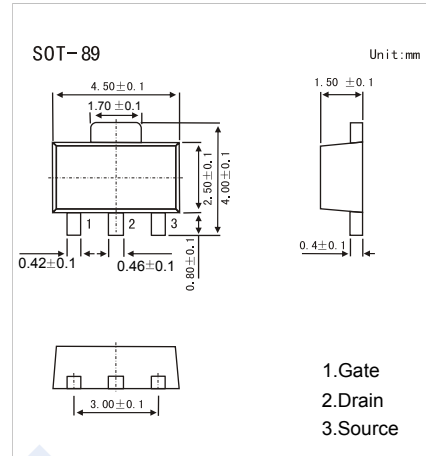
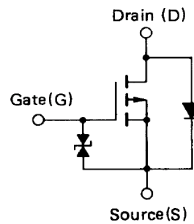


P-Channel MOSFET

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Features

- $V_{DS} (V) = -100V$
- $I_D = -0.5 A$
- $R_{DS(ON)} < 4.2 \Omega$ ($V_{GS} = -10V$)
- $R_{DS(ON)} < 5 \Omega$ ($V_{GS} = -4V$)



Absolute Maximum Ratings $T_a = 25^\circ C$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	-100	V
Gate-Source Voltage	V_{GS}	± 20	
Continuous Drain Current	I_D	-0.5	A
Pulsed Drain Current (Note.1)	I_{DM}	-1	
Power Dissipation	P_D	2	W
Junction Temperature	T_J	150	$^\circ C$
Junction Storage Temperature Range	T_{stg}	-55 to 150	

Note.1: $PW \leq 10$ ms, duty cycle $\leq 50\%$

Electrical Characteristics $T_a = 25^\circ C$

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	V_{DSS}	$I_D = -250 \mu A$, $V_{GS} = 0V$	-100			V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS} = -100V$, $V_{GS} = 0V$			-10	μA
Gate-Body leakage current	I_{GSS}	$V_{DS} = 0V$, $V_{GS} = \pm 20V$			± 10	μA
Gate to Source Cutoff Voltage	$V_{GS(off)}$	$V_{GS} = -10V$, $I_D = -1mA$	-1		-3	V
Static Drain-Source On-Resistance	$R_{DS(on)}$	$V_{GS} = -10V$, $I_D = -0.3A$			4.2	Ω
		$V_{GS} = -4V$, $I_D = -0.3A$			5	
Forward Transconductance	g_{FS}	$V_{DS} = -5V$, $I_D = -0.3A$	0.4	0.5		S
Input Capacitance	C_{iss}	$V_{GS} = 0V$, $V_{DS} = -10V$, $f = 1MHz$		165		pF
Output Capacitance	C_{oss}			75		
Reverse Transfer Capacitance	C_{rss}			13		
Turn-On DelayTime	$t_{d(on)}$	$V_{GS(on)} = -4V$, $I_D = -0.3A$, $R_L = 1.5 \Omega$, $R_G = 10 \Omega$, $V_{DD} = -5V$,		110		ns
Turn-On Rise Time	t_r			320		
Turn-Off DelayTime	$t_{d(off)}$			100		
Turn-Off Fall Time	t_f			130		

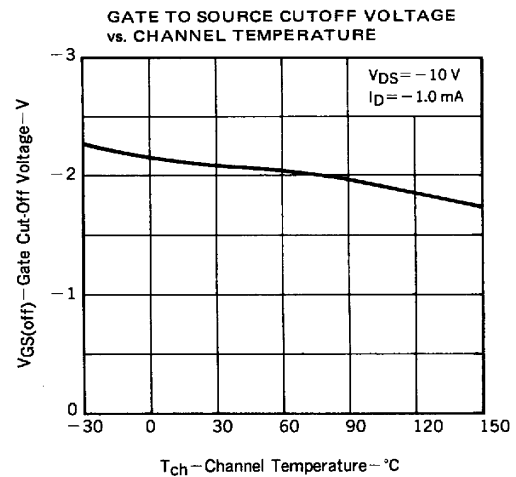
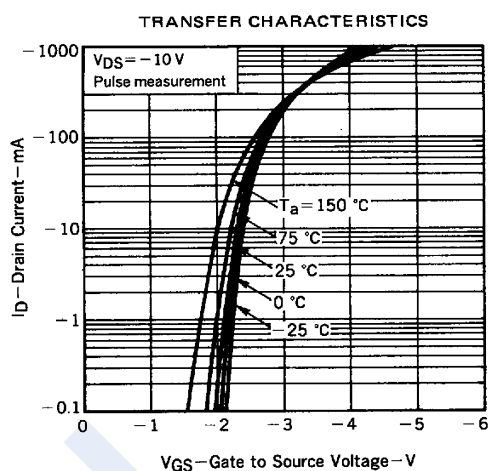
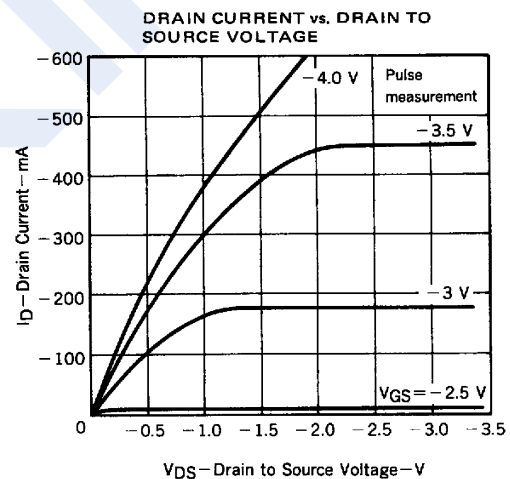
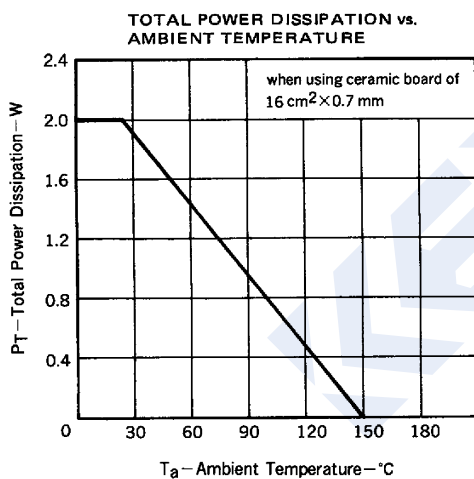
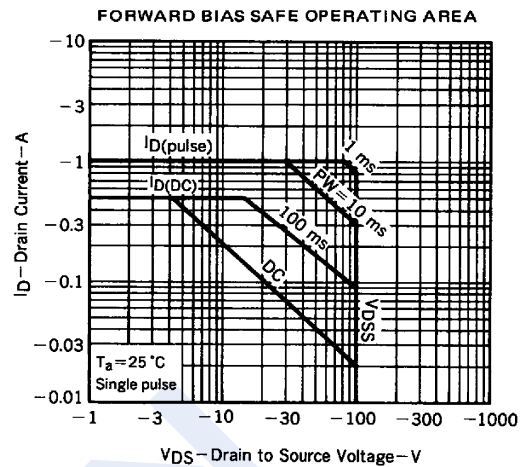
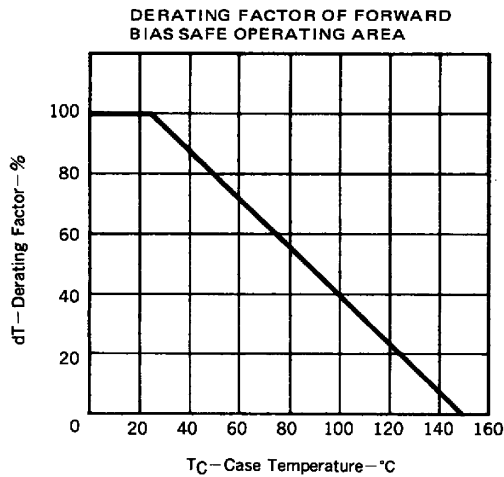
Marking

Marking	PP
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P-Channel MOSFET

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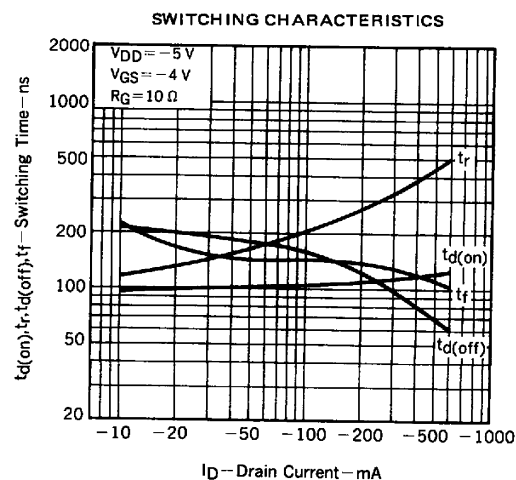
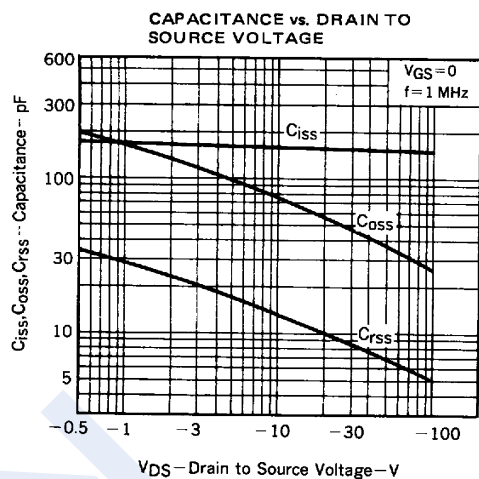
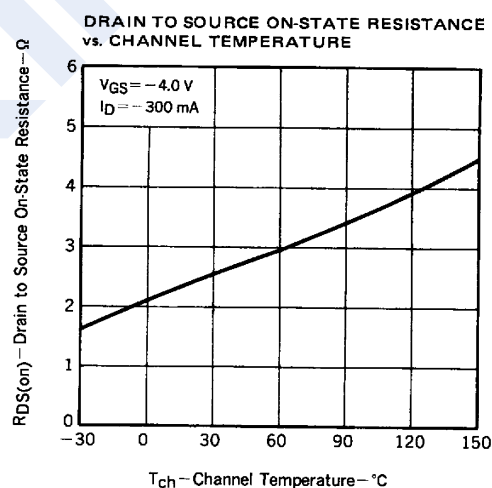
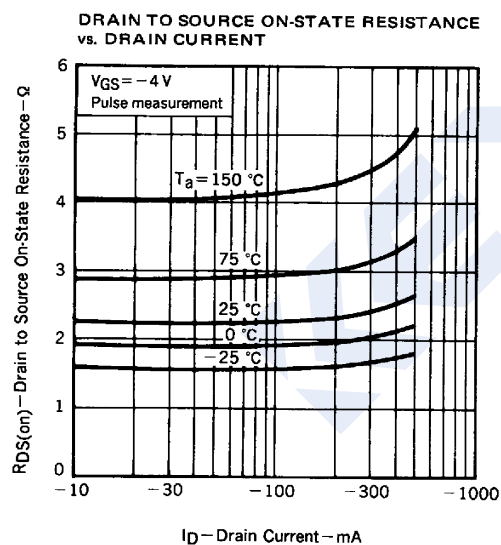
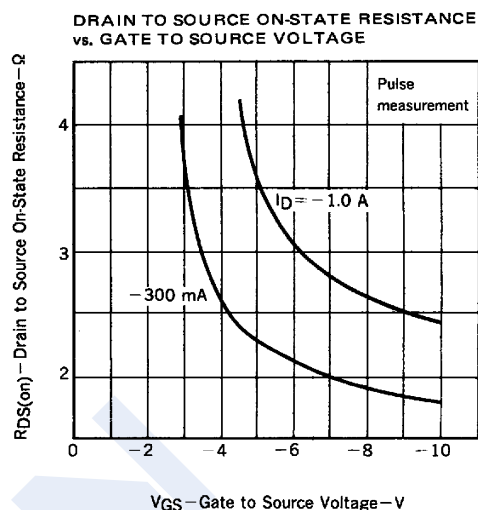
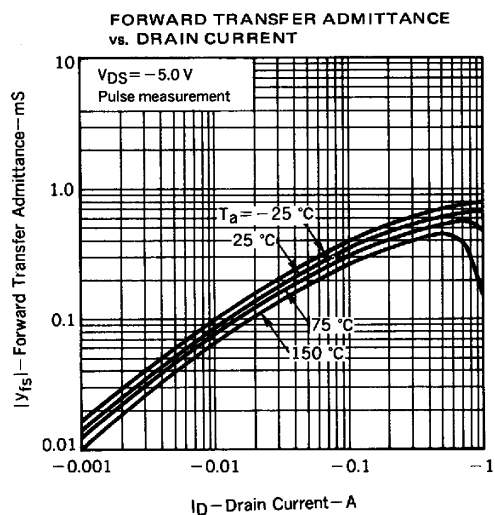
Typical Characteristics



P-Channel MOSFET

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Typical Characteristics



P-Channel MOSFET

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■ Typical Characteristics

