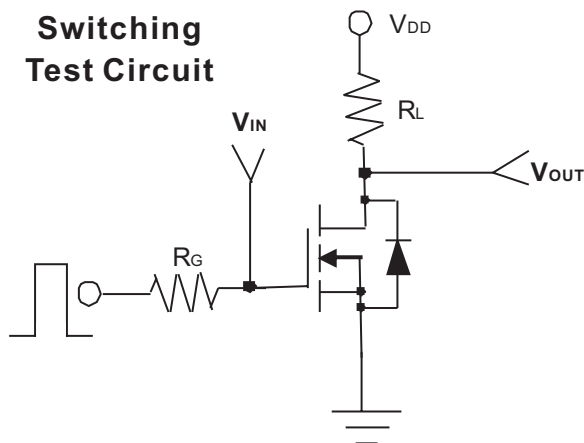


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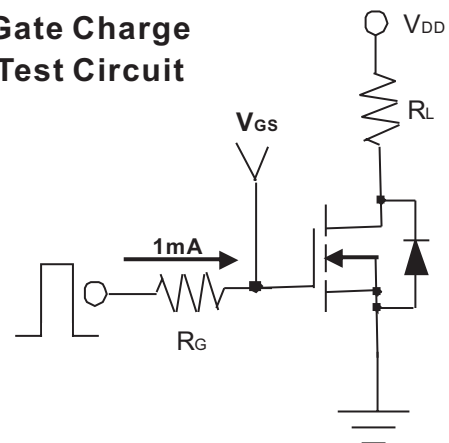
ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Units
Static						
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V$, $I_D=10\mu A$	60	-	-	V
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}$, $I_D=250\mu A$	1	-	2.5	V
Drain-Source On-State Resistance	$R_{DS(on)}$	$V_{GS}=4.5V$, $I_D=200mA$	-	-	4.0	Ω
Drain-Source On-State Resistance	$R_{DS(on)}$	$V_{GS}=10V$, $I_D=500mA$	-	-	3.0	
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS}=60V$, $V_{GS}=0V$	-	-	1	μA
Gate Body Leakage	I_{GSS}	$V_{GS}=\pm 20V$, $V_{DS}=0V$	-	-	± 10	μA
Forward Transconductance	g_{fs}	$V_{DS}=15V$, $I_D=250mA$	100	-	-	mS
Dynamic						
Total Gate Charge	Q_g	$V_{DS}=15V$, $I_D=200mA$ $V_{GS}=5V$	-	-	0.8	nC
Turn-On Time	t_{on}	$V_{DD}=30V$, $R_L=150\Omega$ $I_D=200mA$, $V_{GEN}=10V$ $R_G=10\Omega$	-	-	20	ns
Turn-Off Time	t_{off}		-	-	40	
Input Capacitance	C_{iss}	$V_{DS}=25V$, $V_{GS}=0V$ $f=1.0MHz$	-	-	35	pF
Output Capacitance	C_{oss}		-	-	10	
Reverse Transfer Capacitance	C_{rss}		-	-	5	
Source-Drain Diode						
Diode Forward Voltage	V_{SD}	$I_S=200mA$, $V_{GS}=0V$	-	0.82	1.3	V
Continuous Diode Forward Current	I_S	-	-	-	300	mA
Pulse Diode Forward Current	I_{SM}	-	-	-	2000	mA

Switching Test Circuit

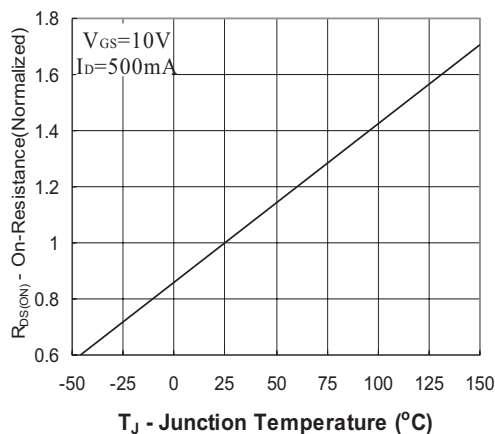
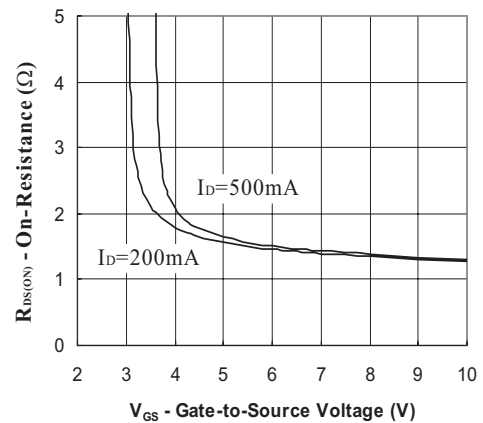
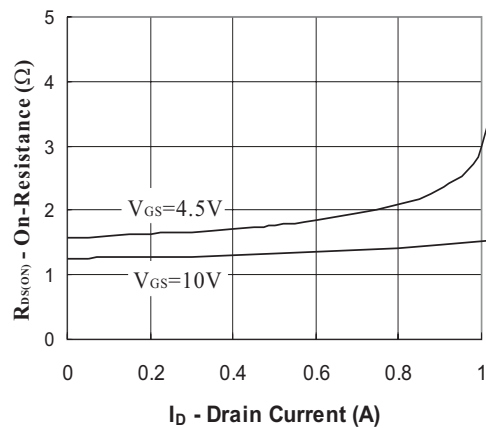
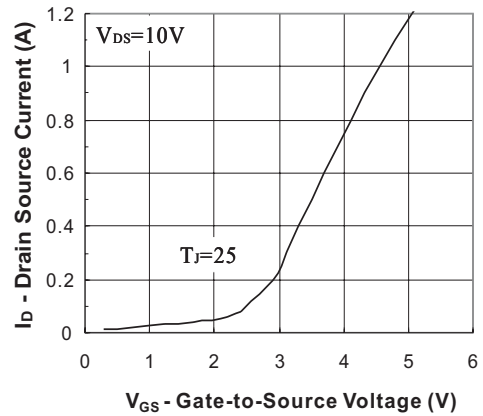
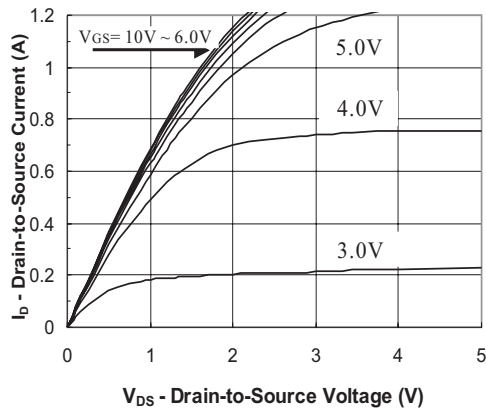


Gate Charge Test Circuit

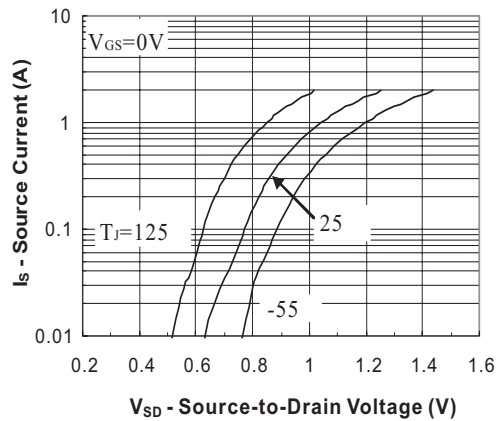
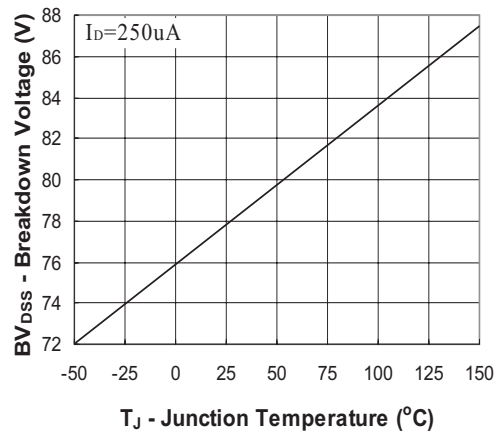
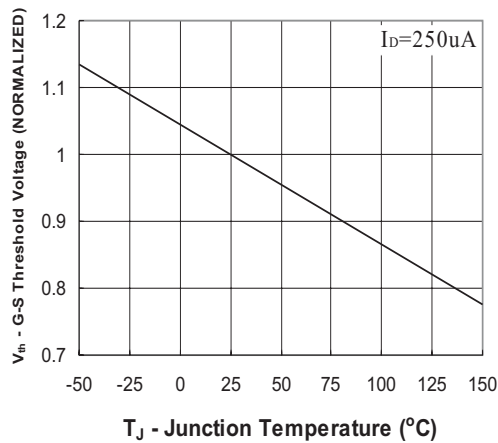
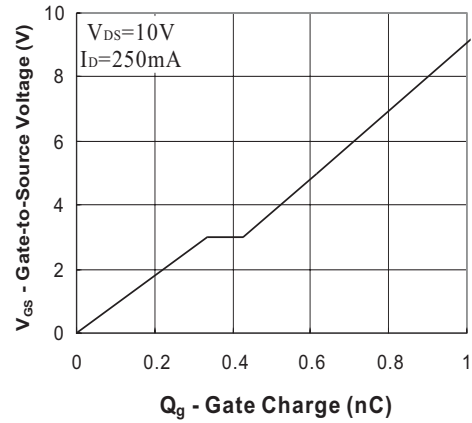
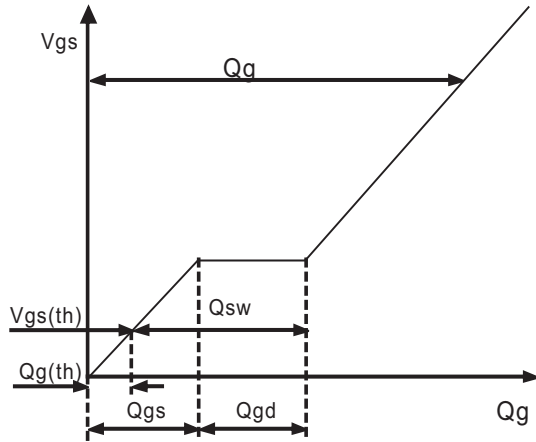


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Typical Characteristics Curves ($T_J=25^\circ\text{C}$, unless otherwise noted)



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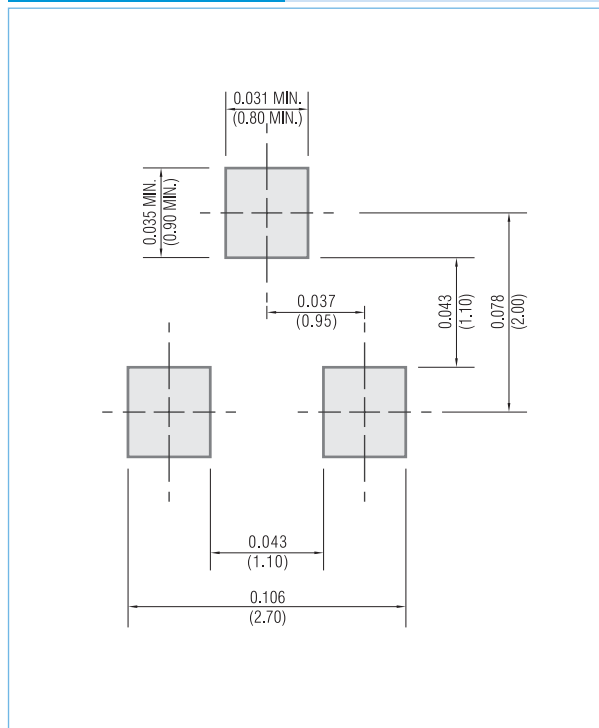


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MOUNTING PAD LAYOUT

SOT-23

Unit: inch (mm)



ORDER INFORMATION

- Packing information
T/R - 12K per 13" plastic Reel
T/R - 3K per 7" plastic Reel

LEGAL STATEMENT

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