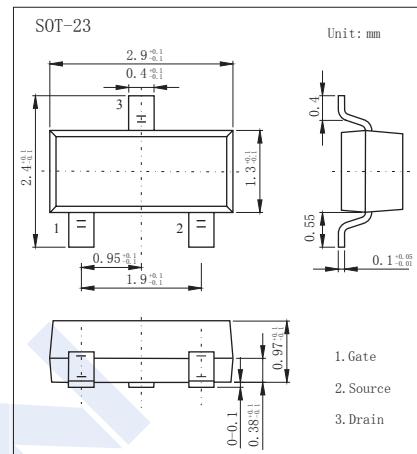
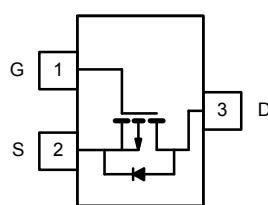


P-Channel MOSFET

SI2303DS-HF (KI2303DS-HF)

■ Features

- V_{DS} (V) = -30V
- $R_{DS(ON)} < 200\text{m}\Omega$ ($V_{GS} = -10\text{V}$)
- $R_{DS(ON)} < 380\text{m}\Omega$ ($V_{GS} = -4.5\text{V}$)
- Pb-Free Package May be Available. The G-Suffix Denotes a Pb-Free Lead Finish



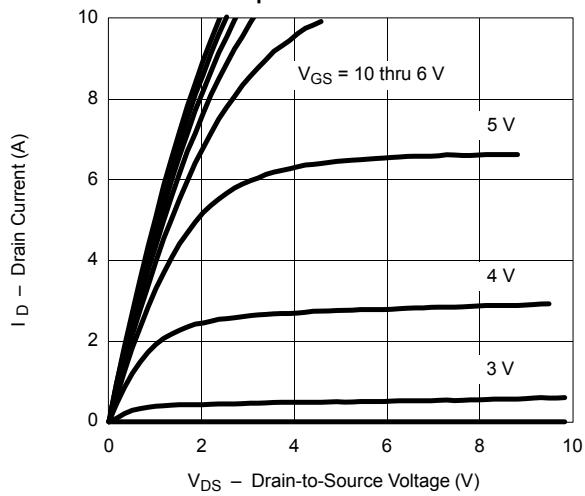
■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	-30	V
Gate-Source Voltage	V_{GS}	± 20	
Continuous Drain Current $T_a = 25^\circ\text{C}$	I_D	-1.7	A
$T_a = 70^\circ\text{C}$		-1.4	
Pulsed Drain Current	I_{DM}	-10	
Power Dissipation $T_a = 25^\circ\text{C}$	P_D	1.25	W
$T_a = 70^\circ\text{C}$		0.8	
Thermal Resistance.Junction- to-Ambient (surface mounted on FR4 board)	R_{thJA}	100	$^\circ\text{C}/\text{W}$
		166	
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-55 to 150	

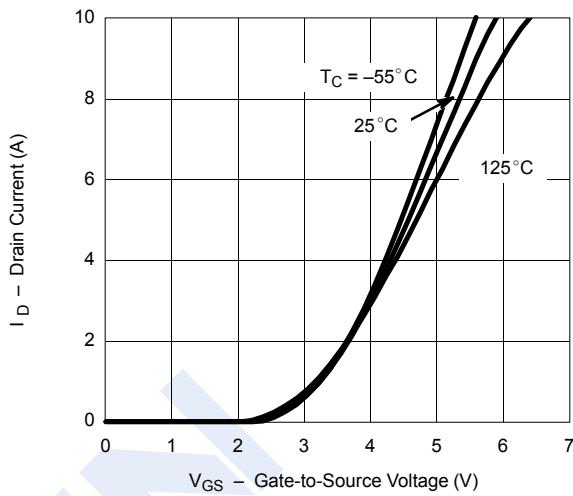
P-Channel MOSFET SI2303DS-HF (KI2303DS-HF)

■ Typical Characteristics

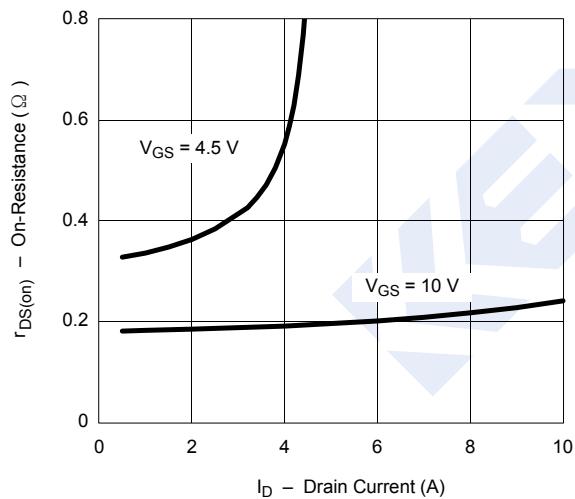
Output Characteristics



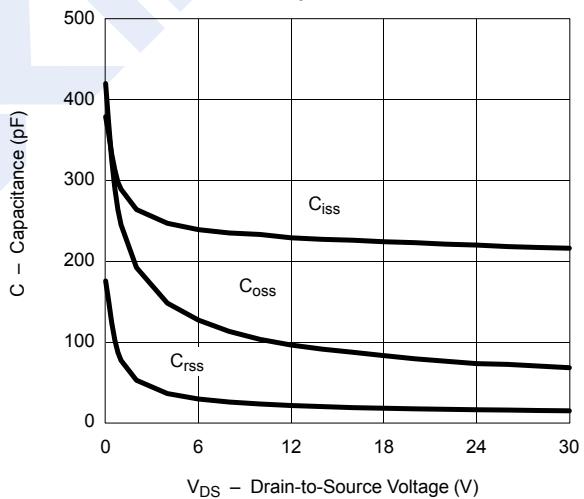
Transfer Characteristics



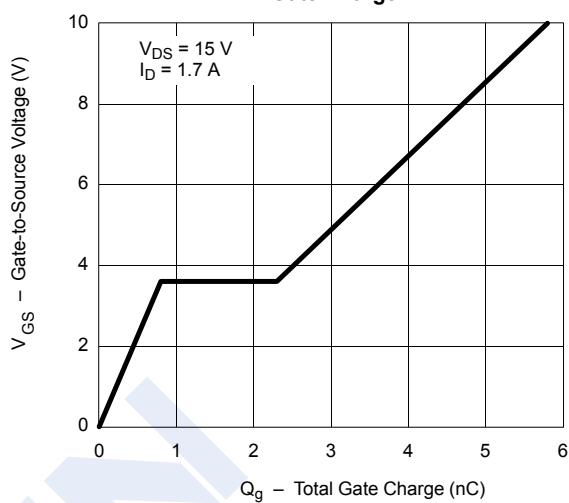
On-Resistance vs. Drain Current



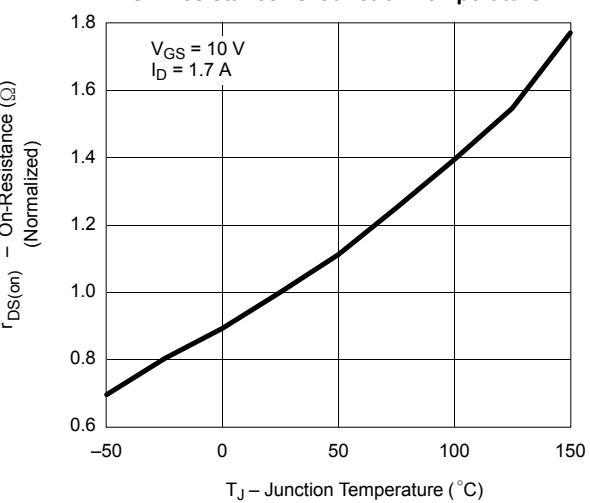
Capacitance



Gate Charge



On-Resistance vs. Junction Temperature



P-Channel MOSFET

SI2303DS-HF (KI2303DS-HF)

■ Typical Characteristics

