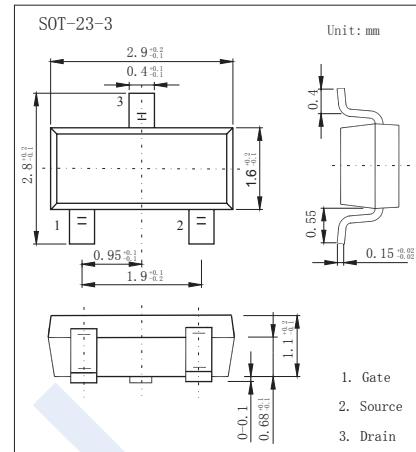
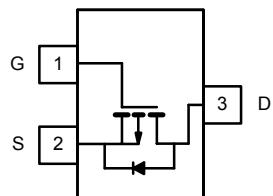


P-Channel Enhancement MOSFET

SI2335DS (K12335DS)

■ Features

- $V_{DS}(\text{V}) = -12\text{V}$
- $I_D = -4.0\text{A} (V_{GS} = -4.5\text{V})$
- $R_{DS(\text{ON})} < 51\text{m}\Omega (V_{GS} = -4.5\text{V})$
- $R_{DS(\text{ON})} < 70\text{m}\Omega (V_{GS} = -2.5\text{V})$
- $R_{DS(\text{ON})} < 106\text{m}\Omega (V_{GS} = -1.8\text{V})$



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

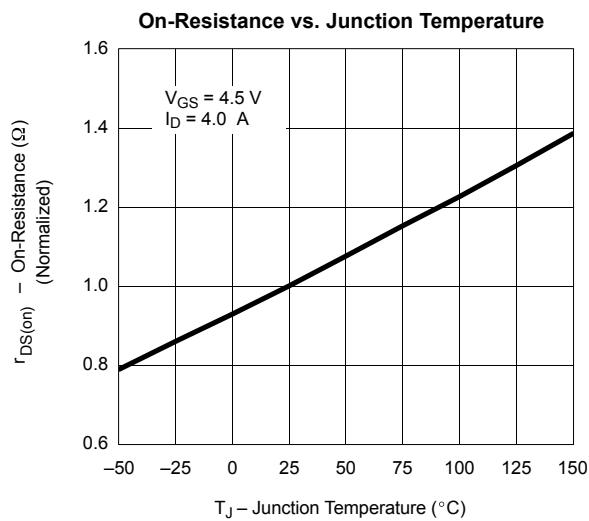
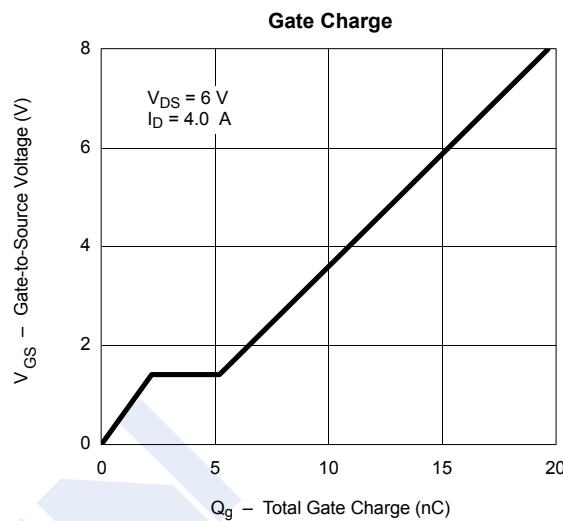
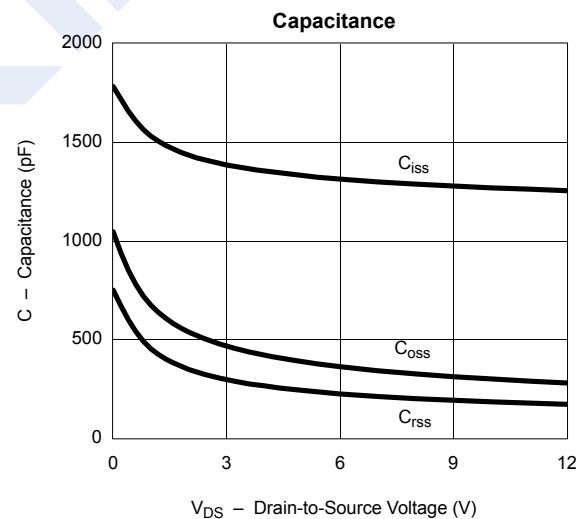
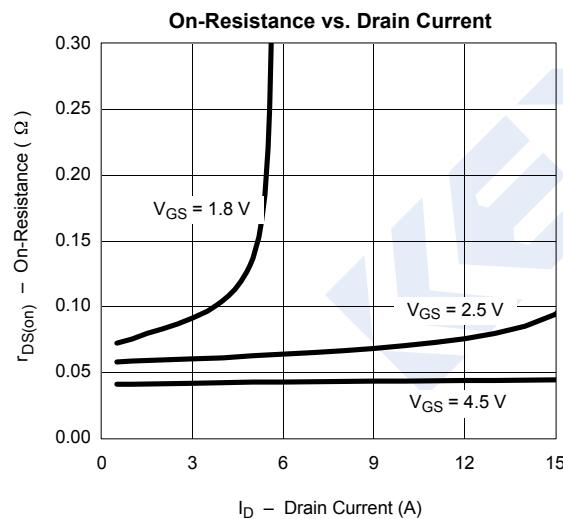
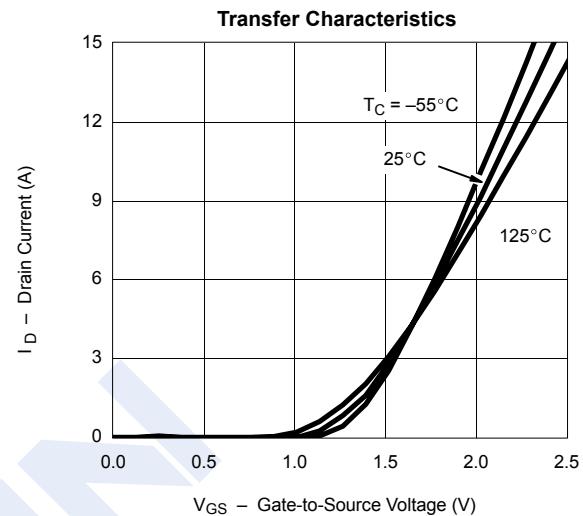
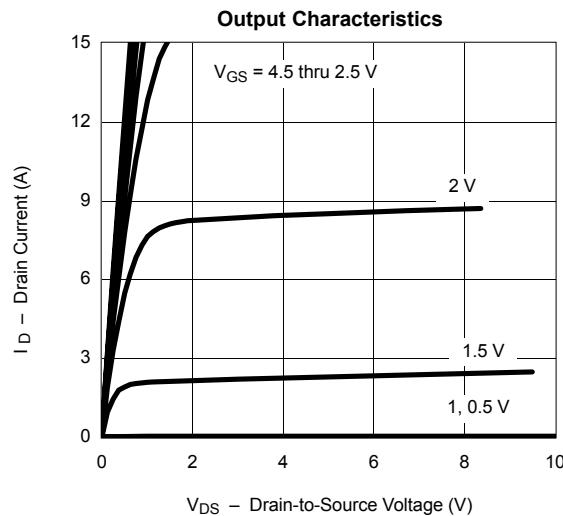
Parameter	Symbol	5 sec	Steady State	Unit
Drain-Source Voltage	V_{DS}		-12	V
Gate-Source Voltage	V_{GS}		±8	
Continuous Drain Current $(T_a = 25^\circ\text{C})^*1$	I_D	-4.0	-3.2	A
$T_a = 70^\circ\text{C}$		-3.3	-2.6	
Pulsed Drain Current	I_{DM}		-15	
Power Dissipation $(T_a = 25^\circ\text{C})$	P_D	1.25	0.75	W
$T_a = 70^\circ\text{C}$		0.8	0.48	
Thermal Resistance.Junction- to-Ambient $t \leq 5 \text{ sec}$ Steady State	R_{thJA}	100		°C/W
		166		
Thermal Resistance.Junction- to-Foot	R_{thJF}	50		
Junction Temperature	T_J	150		°C
Storage Temperature Range	T_{stg}	-55 to 150		

*1 Surface Mounted on 1" x 1" FR4 Board.

P-Channel Enhancement MOSFET

SI2335DS (K12335DS)

■ Typical Characteristics



P-Channel Enhancement MOSFET

SI2335DS (K12335DS)

■ Typical Characteristics

