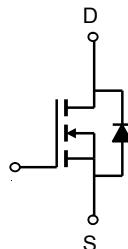
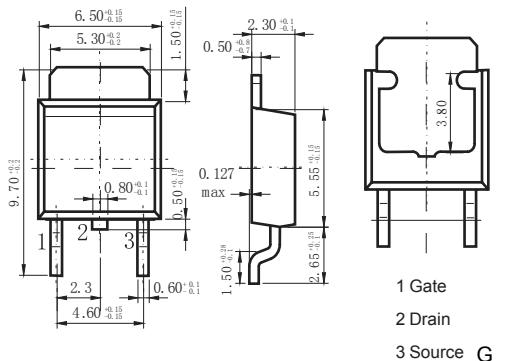


## N-Channel MOSFET

TO-252

Unit: mm



## ■ Features

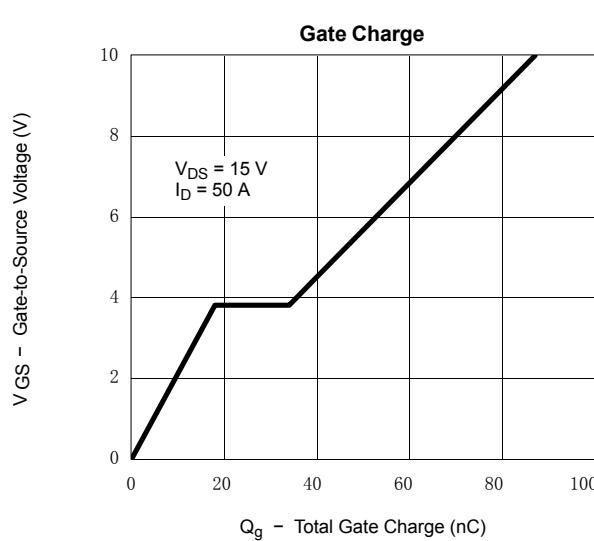
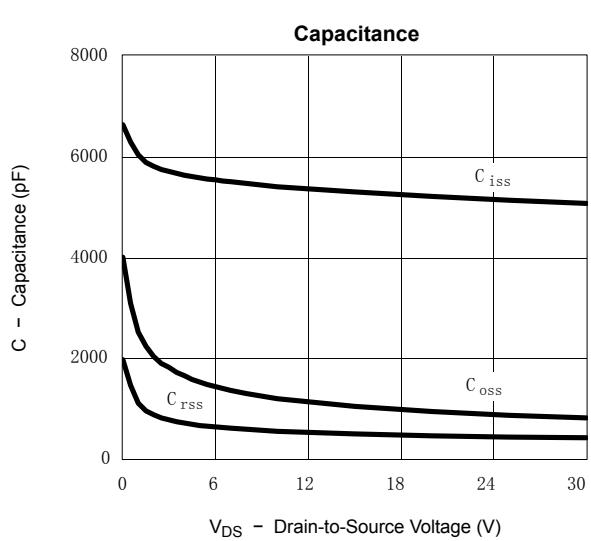
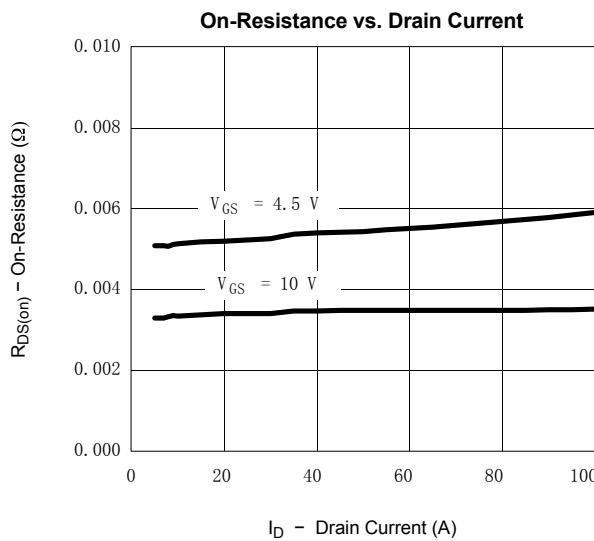
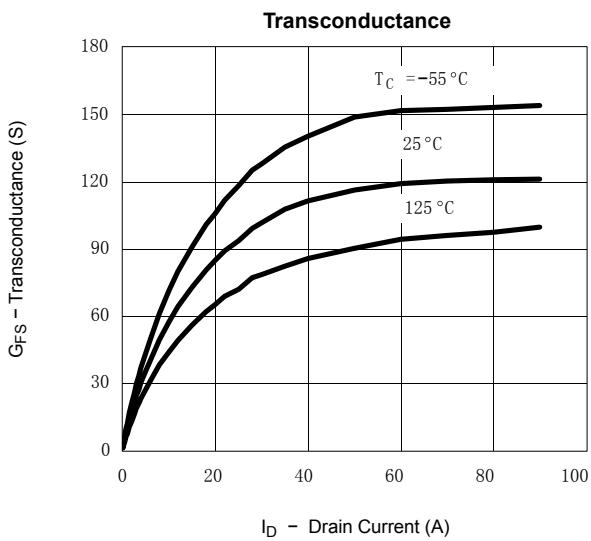
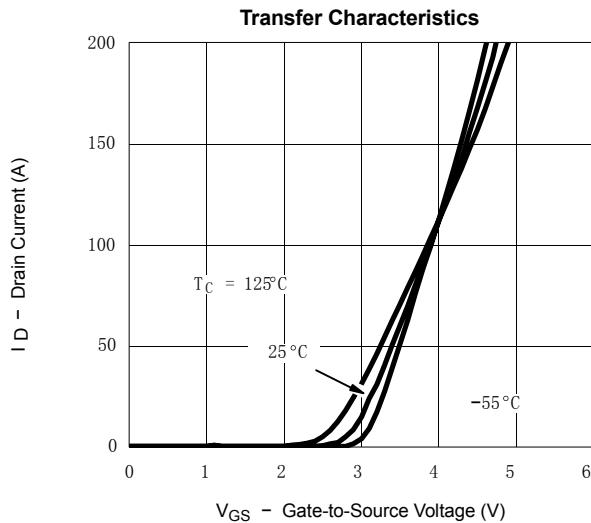
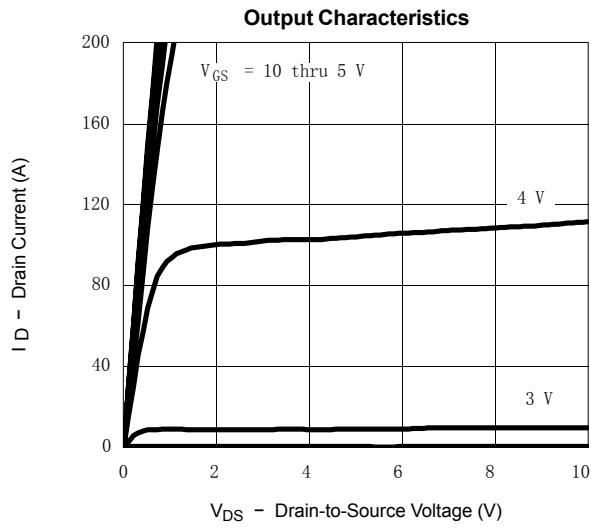
- $V_{DS} (V) = 30V$
- $I_D = 33A (V_{GS} = 10V)$
- $R_{DS(ON)} < 4.3m\Omega (V_{GS} = 10V)$
- $R_{DS(ON)} < 6.5m\Omega (V_{GS} = 4.5V)$

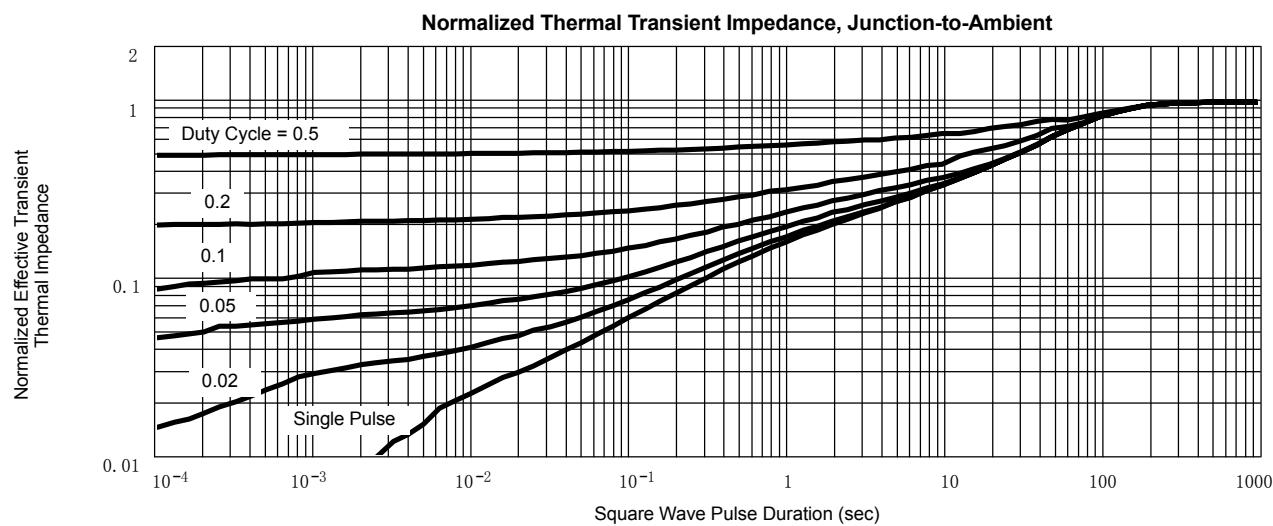
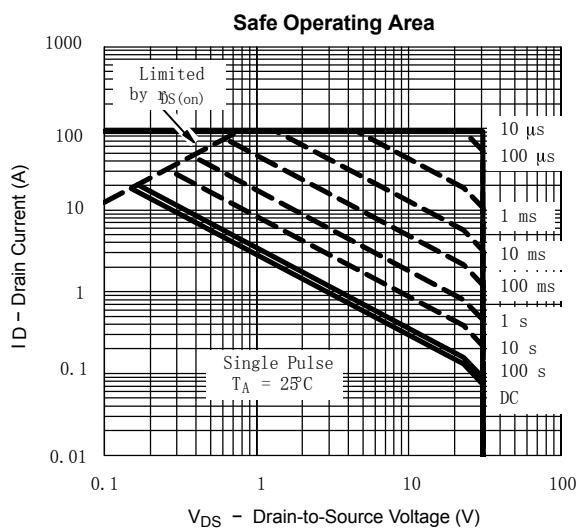
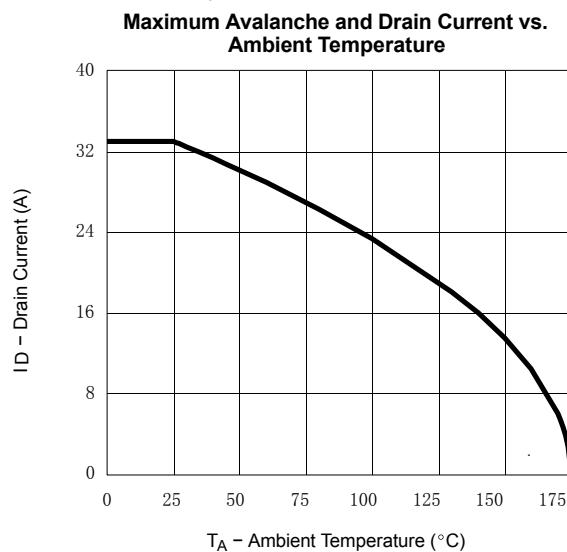
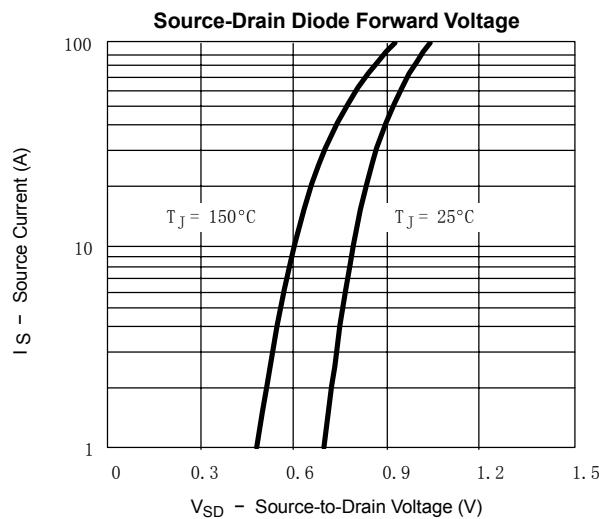
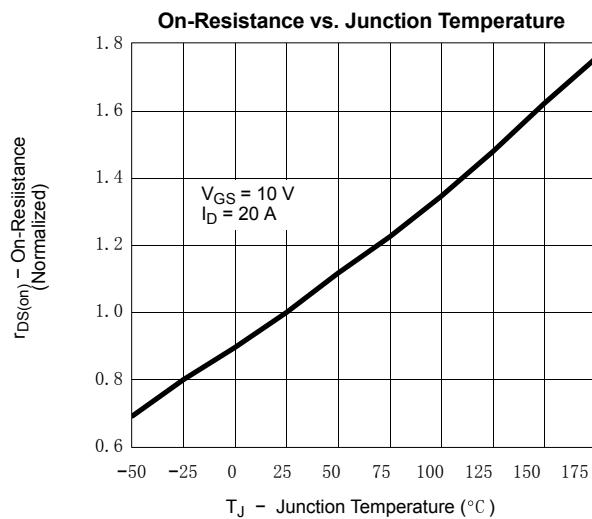
■ Absolute Maximum Ratings  $T_a = 25^\circ C$ 

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DS}$	30	V
Gate-Source Voltage	$V_{GS}$	$\pm 20$	
Continuous Drain Current (Note.1)	$I_D$	33	A
		70	
Pulsed Drain Current	$I_{DM}$	100	W
Power Dissipation	$P_D$	88	
		8.3	
Thermal Resistance.Junction- to-Ambient (Note.1)	$R_{thJA}$	18	$^\circ C/W$
		50	
Thermal Resistance.Junction- to-Case	$R_{thJC}$	1.5	$^\circ C$
Junction Temperature	$T_J$	150	
Storage Temperature Range	$T_{stg}$	-55 to 150	

Note.1: Surface Mounted on FR4 Board,  $t \leq 10$  sec.



**N-Channel MOSFET****■ Typical Characteristics**

**N-Channel MOSFET****■ Typical Characteristics**

**■ Typical Characteristics**

Normalized Thermal Transient Impedance, Junction-to-Case

