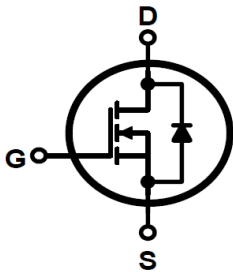


**Kingtronics**®**KT2N60**

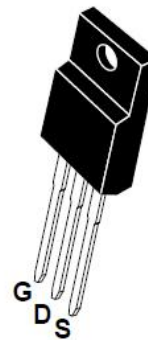
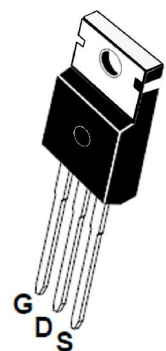
N-Channel Power MOSFET

**FEATURES**

LOW ON-RESISTANCE  
FAST SWITCHING  
HIGH INPUT RESISTANCE  
ROHS COMPLIANT

**Schematic Diagram (N-Channel)****PRODUCT SUMMARY**

$V_{DS}$	600	V
$I_D$	2.0	A
$P_D(T_C=25^\circ\text{C})$	25	W
$R_{DS(ON)typ}$	3.5	$\Omega$

**TO-220F****TO-220****MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS** $T_C = 25^\circ\text{C}$  unless otherwise specified

Symbol	Parameter	Rating	Units
$V_{DS}$	Drain-source Voltage	600	V
$I_D$	Continuous Drain Current $T_C = 25^\circ\text{C}$	2.0*	A
	Continuous Drain Current $T_C = 100^\circ\text{C}$	1.2*	A
$V_{GS}$	Gate-source Voltage	$\pm 30$	V
$I_{DM}$	Drain Current-Pulsed (1)	8.0*	A
$P_D$	Power Dissipation	25	W
$T_j$	Junction Temperature	150	$^\circ\text{C}$
$T_{STG}$	Storage Temperature	-55-150	$^\circ\text{C}$
$E_{AS}$	Single Pulse Avalanche Energy (2)	28	mJ

\*Drain current limited by maximum junction temperature

(1) Repetitive rating: Pulse width limited by maximum junction temperature

(2) Starting  $T_j=25^\circ\text{C}$ ,  $V_{DD}=50\text{V}$ ,  $L=10\text{mH}$ ,  $R_G=25\Omega$ ,  $I_{AS}=2.0\text{A}$ **Kingtronics**® International Company

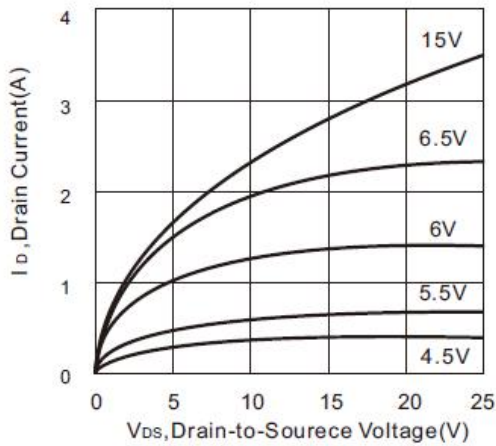
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# KT2N60

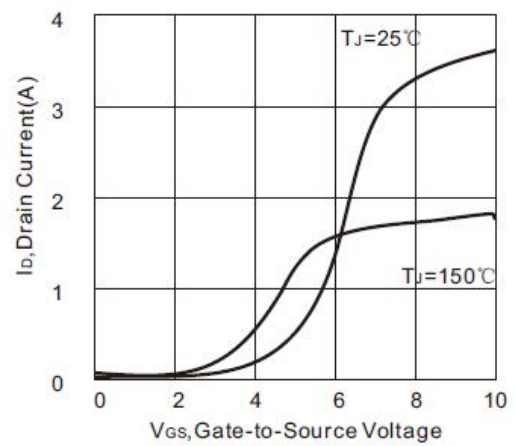
## N-Channel Power MOSFET

### RATING AND CHARACTERISTIC CURVES

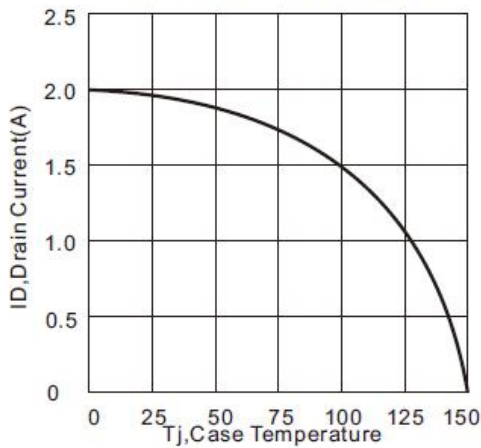
Output Characteristics



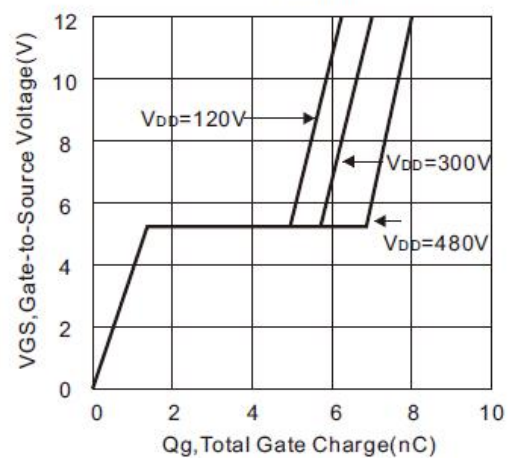
Transfer Characteristics



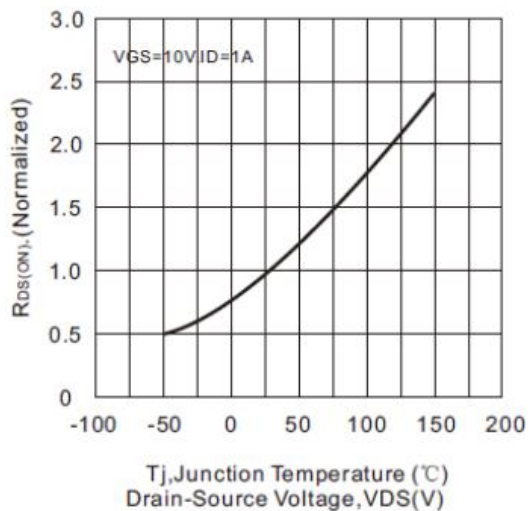
Drain Current VS. Temperature



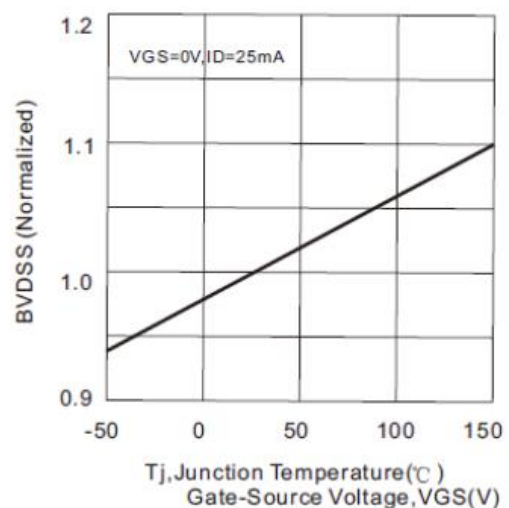
Gate Charge



On-Resistance vs. Junction Temperature



BVdss Variation VS. Temperature



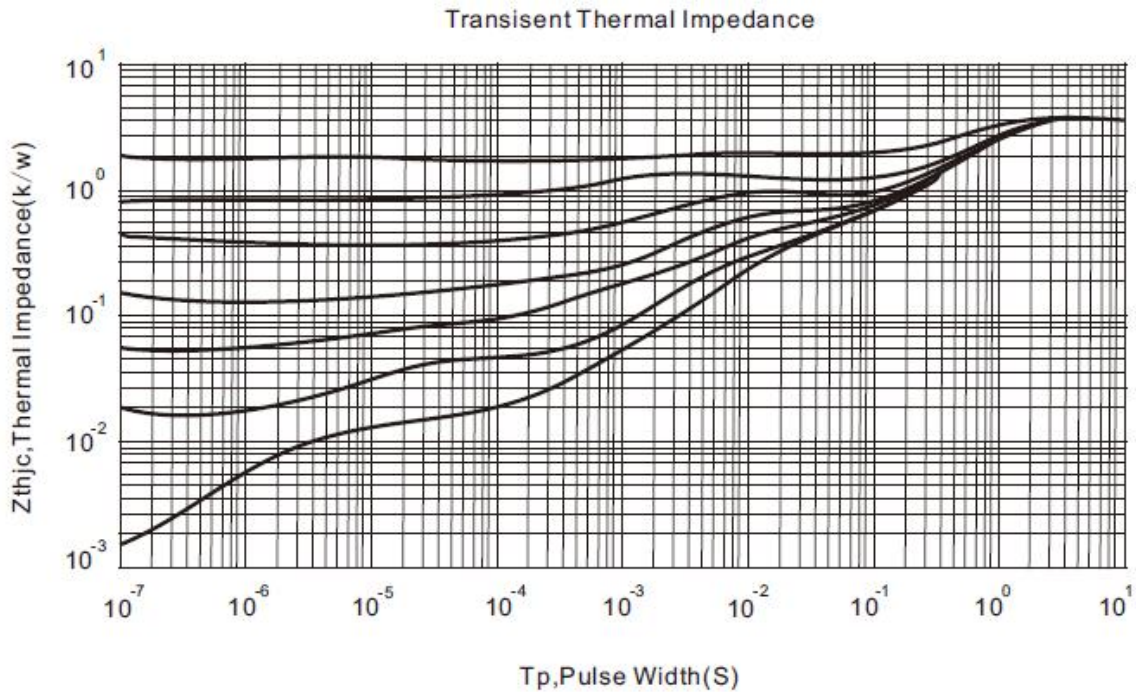
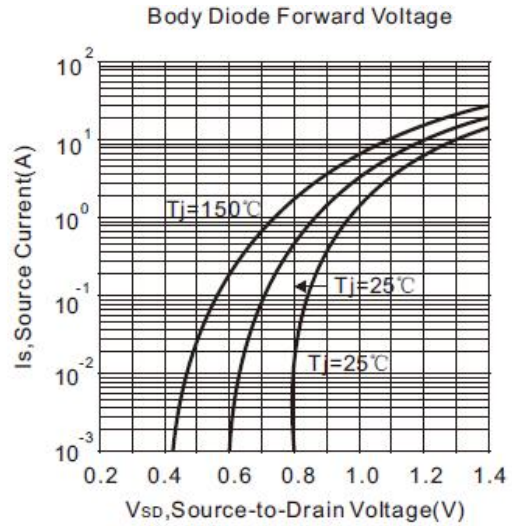
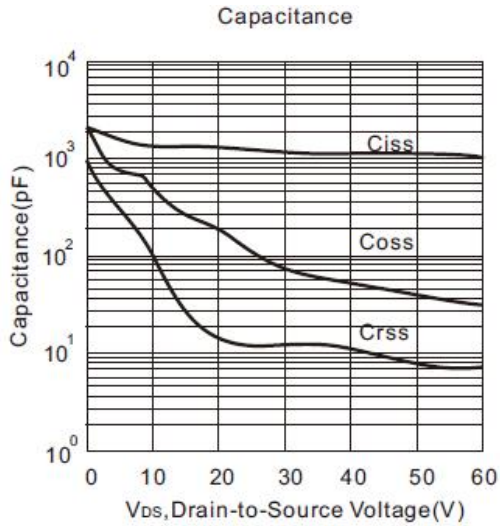
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## KT2N60

N-Channel Power MOSFET



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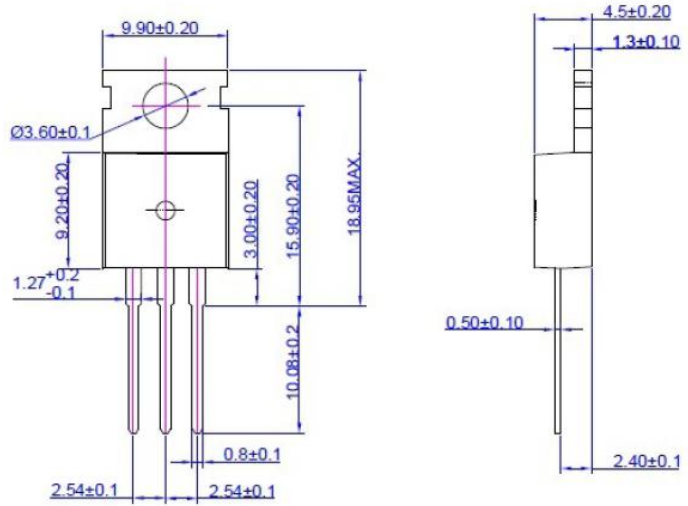
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## KT2N60

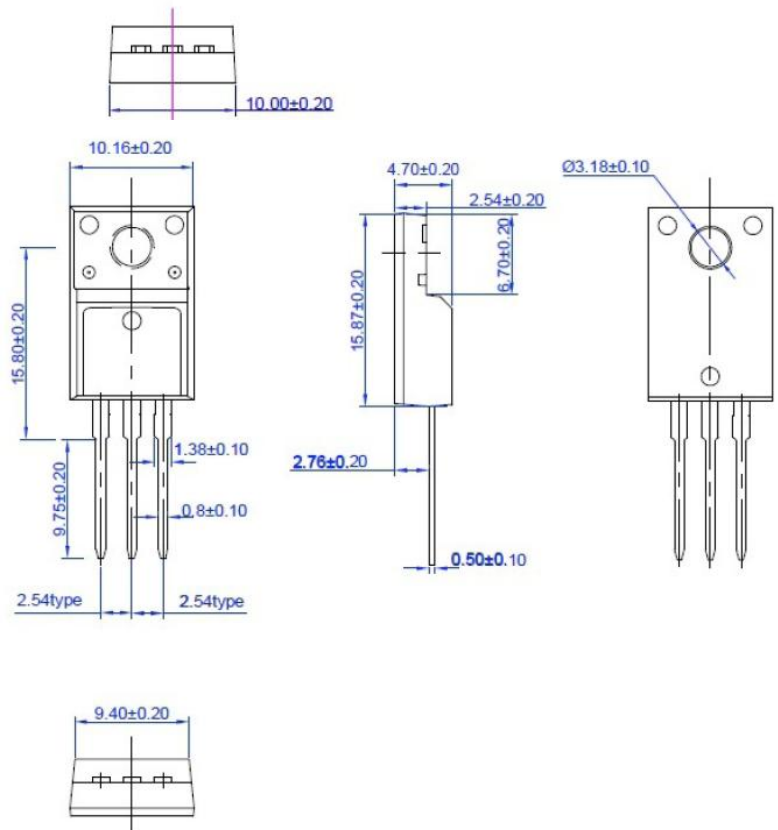
### N-Channel Power MOSFET

## Package Dimensions

### TO-220



### TO-220F



Notes: Specifications are subject to change without notice.

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