

iscN-Channel MOSFET Transistor

2SK1367

FEATURES

- Drain Current $-I_D=3A@ T_C=25^{\circ}C$
- Drain Source Voltage-
: $V_{DSS}=400V(\text{Min})$
- Static Drain-Source On-Resistance
: $R_{DS(on)}=1.8\ \Omega (\text{Max})$
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

DESCRIPTION

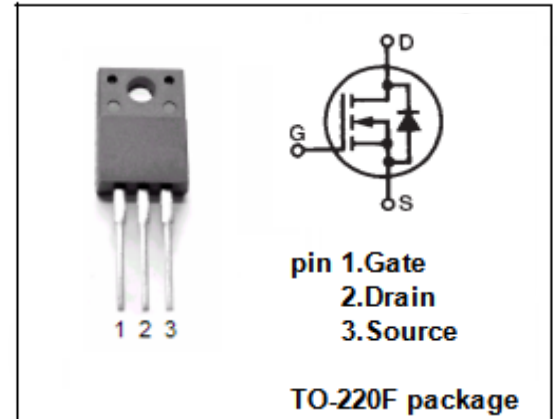
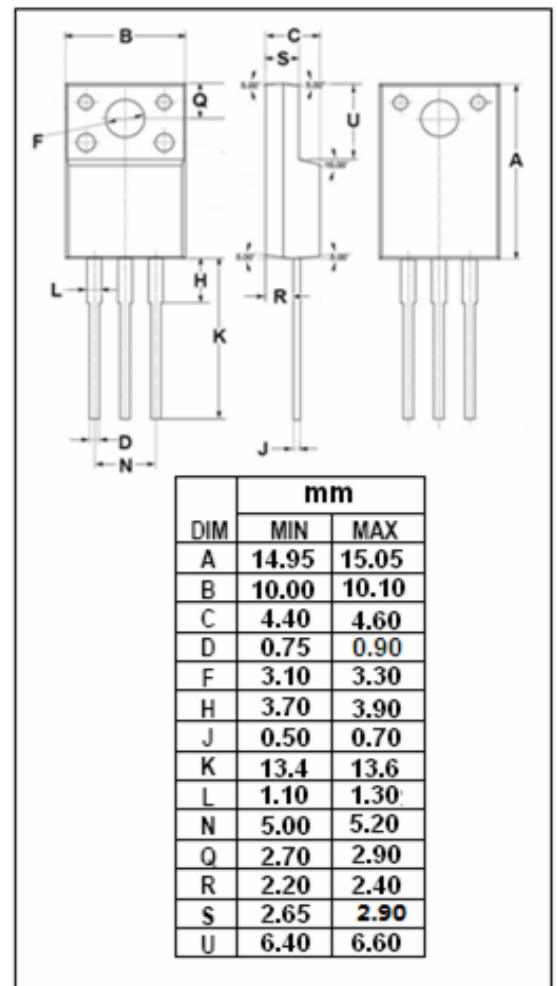
- motor drive, DC-DC converter, power switch and solenoid drive.

ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}C$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{DSS}	Drain-Source Voltage	400	V
V_{GS}	Gate-Source Voltage-Continuous	± 30	V
I_D	Drain Current-Continuous	3	A
P_D	Total Dissipation @ $T_C=25^{\circ}C$	-	W
T_J	Max. Operating Junction Temperature	150	$^{\circ}C$
T_{stg}	Storage Temperature	-55~150	$^{\circ}C$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	-	$^{\circ}C/W$



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ELECTRICAL CHARACTERISTICS

T_C=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{(BR)DSS}	Drain-Source Breakdown Voltage	V _{GS} = -10V; I _D = 10mA	400	--	V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} = 10V; I _D = 1mA	1.5	3.5	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} = 10V; I _D = 1.5A	--	1.8	Ω
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} =400V; V _{GS} = 0	--	-	uA
V _{DF}	Forward On-Voltage	I _F = 3A; V _{GS} = 0	--	-	V

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