

INCHANGE SEMICONDUCTOR

isc N-Channel MOSFET Transistor

2SK767

DESCRIPTION

- Drain Current –I_D=5A@ T_C=25 $^\circ\!\!\mathrm{C}$
- Drain Source Voltage-: V_{DSS}= 500V(Min)
- Fast Switching Speed
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

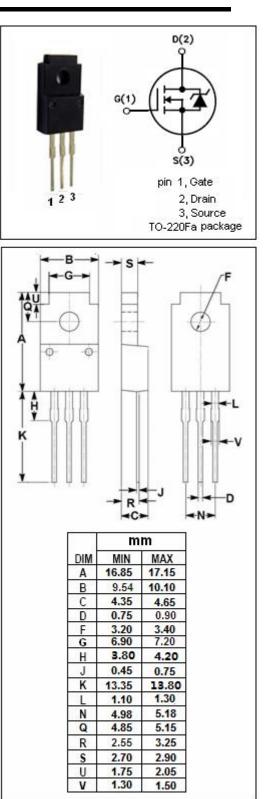
• Designed for high voltage, high speed power switching applications such as switching regulators, converters, solenoid and relay drivers.

SYMBOL	ARAMETER	VALUE	UNIT
V _{DSS}	Drain-Source Voltage (V _{GS} =0)	500	V
V _{GS}	Gate-Source Voltage	±20	V
ID	Drain Current-continuous@ TC=25°C	5	A
P _{tot}	Total Dissipation@TC=25℃	50	W
Tj	Max. Operating Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	МАХ	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	1.0	°C/W
R _{th j-a}	Thermal Resistance, Junction to Ambient	62.5	°C/W



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SYMBOL	PARAMETER	CONDITIONS	MIN	ТҮР	MAX	UNIT			
V _{(BR)DSS}	Drain-Source Breakdown Voltage	V _{GS} =0; I _D = 10mA	500			V			
$V_{GS(th)}$	Gate Threshold Voltage	V _{DS} =25 V; I _D =1mA	1.0		5.0	V			
$R_{DS(on)}$	Drain-Source On-stage Resistance	V _{GS} =10V; I _D = 3A		1.2	1.8	Ω			
Igss	Gate Source Leakage Current	V _{GS} = ±20V;V _{DS} = 0			±1	uA			
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} =400V; V _{GS} = 0			100	uA			

• ELECTRICAL CHARACTERISTICS (Tc=25°C)

NOTICE:

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