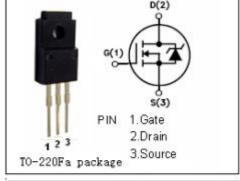


isc N-Channel MOSFET Transistor

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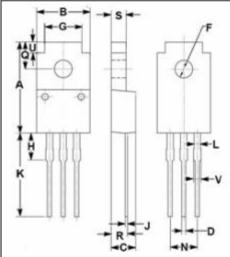
DESCRIPTION

- Drain Current –I_D=3A@ T_C=25 °C
- · Drain Source Voltage-
 - : V_{DSS}=900V(Min)
- 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.



ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	ARAMETER	VALUE	UNIT
V _{DSS}	Drain-Source Voltage (V _{GS} =0)	900	V
V_{GS}	Gate-Source Voltage	±30	V
I _D	Drain Current-continuous@ TC=25°C	3	Α
P _{tot}	Total Dissipation@TC=25°C	50	W
Tj	Max. Operating Junction Temperature	150	$^{\circ}\mathbb{C}$
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$

	mm		
DIM	MIN	MAX	
A	16.85	17.15	
В	9.90	10.10	
C	4.35	4.65	
D	0.75	0.80	
F	3.20	3.40	
G	6.90	7.10	
Н	5.15	5.45	
J	0.45	0.75	
K	13.35	13.65	
L	1.10	1.30	
N	4.98	5.18	
Q	4.85	5.15	
R	2.95	3.25	
S	2.70	2.90	
U	1.75	2.05	
٧	1.30	1.50	



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• ELECTRICAL CHARACTERISTICS (Tc=25°C)

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _{(BR)DSS}	Drain-Source Breakdown Voltage	V _{GS} =0; I _D = 1mA	900			V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} =25V; I _D =1mA	1.0		5.0	V
R _{DS(on)}	Drain-Source On-stage Resistance	V _{GS} =10V; I _D =2A		3.8	5.0	Ω
I _{GSS}	Gate Source Leakage Current	V _{GS} = ±30V;V _{DS} = 0			±1	uA
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} =720V; V _{GS} = 0			100	uA
ton	Turn-on time	V 40V4L 0A/D 4000		40		ns
toff	Turn-off time	V _{GS} =10V;I _D =2A;R _L =100 Ω		140		ns



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