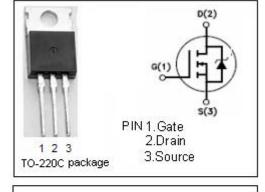


isc N-Channel MOSFET Transistor

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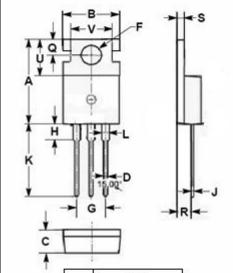
DESCRIPTION

- Drain Current –I_D=5A@ T_C=25 ℃
- · Drain Source Voltage-
 - : V_{DSS}=900 (Min)
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

 Designed especially for high voltage, high speed applications, such as off-line switching power supplies, UPS,AC and DC motor controls, relay and solenoid drivers.



ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	ARAMETER	VALUE	UNI T
V_{DSS}	Drain-Source Voltage (V _{GS} =0)	900	V
V_{GS}	Gate-Source Voltage	±30	V
I _D	Drain Current-continuous@ TC=25℃	5	Α
P _{tot}	Total Dissipation@TC=25℃	70	W
Tj	Max. Operating Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$ C

	mm		
DIM	MIN	MAX	
Α	15.50	15.90	
В	9.80	10.20	
C	4.20	4.50	
D	0.70	0.90	
F	3.40	3.70	
G	4.98	5.18	
Н	2.68	2.90	
J	0.44	0.60	
K	12.80	13.40	
L	1.20	1.45	
Q	2.70	2.90	
R	2.30	2.70	
S	1.29	1.35	
U	6.45	6.65	
V	8.66	8.86	



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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 = 10mA	900			V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} =10V; I _D =1mA	2.0		3.0	V
R _{DS(on)}	Drain-Source On-stage Resistance	V _{GS} =10V; I _D =2A		2.8	3.6	Ω
I _{GSS}	Gate Source Leakage Current	V _{GS} = ±30V;V _{DS} = 0			±100	nA
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} =900V; V _{GS} = 0			1	mA
V _{SD}	Diode Forward Voltage	I _F =5A; V _{GS} =0			1.8	V
tr	Rise time	4		35		ns
ton	Turn-on time	V_{GS} =10V; I_D =2A; R_L =50 Ω		50		ns
tf	Fall time			65		ns
toff	Turn-off time			265		ns

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