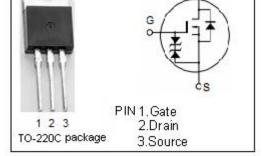


isc N-Channel MOSFET Transistor

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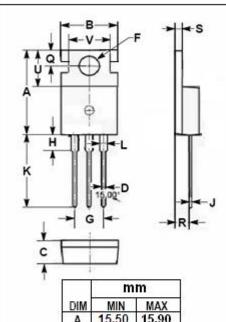
DESCRIPTION

- Drain Current –I_D= 7A@ T_C=25 °C
- Drain Source Voltage-
 - : V_{DSS}= 250V(Min)
- · Fast Switching Speed
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

- low on-resistance
- · High speed switching
- · Low drive current
- No secondary breakdown
- Suitable for switchingregulator, DC-DC convertor



ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	ARAMETER	VALUE	UNIT
V _{DSS}	Drain-Source Voltage (V _{GS} =0)	250	V
V _{GS}	Gate-Source Voltage	±30	V
I _D	Drain Current-continuous@ TC=25℃	7	Α
P _{tot}	Total Dissipation@TC=25°C 50		W
Tj	Max. Operating Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$ C

	mm		
DIM	MIN	MAX	
Α	15.50	15.90	
В	9.80	10.20	
С	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	
0	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 (T_c=25°C)

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
V _{(BR)DSS}	Drain-Source Breakdown Voltage	V _{GS} =0; I _D = 10mA	250			V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} =10 V _{GS} ; I _D =1mA	2.0		3.0	V
R _{DS(on)}	Drain-Source On-stage Resistance	V _{GS} =10V; I _D = 4A		0.40	0.55	Ω
I _{GSS}	Gate Source Leakage Current	V _{GS} = ±25V;V _{DS} = 0			±10	uA
I _{DSS}	Zero Gate Voltage Drain Current	V _{DS} =250V; V _{GS} = 0			250	uA
V _{SD}	Diode Forward Voltage	I _F =7A; V _{GS} =0		1.0		V
tr	Rise time	V_{GS} =10V; I_{D} =4A; R_{L} =7.5 Ω		55		ns
ton	Turn-on time			68		ns
tf	Fall time			37		ns
toff	Turn-off time			122		ns

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