

isc N-Channel MOSFET Transistor

AOD2N60

FEATURES

- Drain Current –I_D= 2A@ T_C=25 $^\circ\!\!\mathbb{C}$
- Drain Source Voltage-: V_{DSS}=600V(Min)
- Static Drain-Source On-Resistance : R_{DS(on)} =4.4 Ω (Max)
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

DESCRIPTION

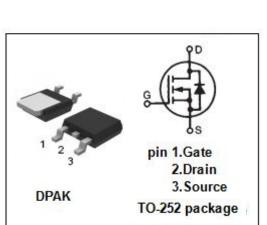
• Designed for use in switch mode power supplies and general purpose applications.

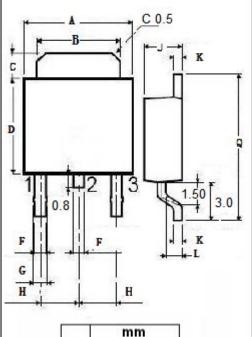
SYMBOL PARAMETER VALUE			UNIT
VDSS	Drain-Source Voltage	600	V
V _{GS}	Gate-Source Voltage-Continuous	±30	V
ID	Drain Current-Continuous	2	А
I _{DM}	Drain Current-Single Pluse	8	А
P _D	Total Dissipation @T _C =25℃	56.8	w
TJ	Max. Operating Junction Temperature	-55~150	°C
T _{stg}	Storage Temperature	-55~150	°C

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	2.2	°C/W





	mm		
DIM	MIN	MAX	
A	6.40	6.60	
В	5.20	5.40	
С	1.15	1.35	
D	5.70	6.10	
F	0.65		
G	0.75		
н	2.10	2.50	
J	2.10	2.40	
K	0.40	0.60	
L	0.90	1.10	
Q	9.90	10.1	

isc website: www.iscsemi.com



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ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	МАХ	UNIT
V(BR)DSS	Drain-Source Breakdown Voltage	V _{GS} = 0; I _D = 0.25mA	600		V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} = 5V; I _D = 0.25mA	3.0	4.5	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} = 10V; I _D =1A		4.4	Ω
lgss	Gate-Body Leakage Current	V _{GS} = ±30V;V _{DS} = 0		±100	nA
loss	Zero Gate Voltage Drain Current	V _{DS} =600V; V _{GS} = 0 V _{DS} =480V; V _{GS} = 0@T _J =125℃		1 10	μA
V _{SD}	Forward On-Voltage	I _S = 1A; V _{GS} = 0		1	V



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