

isc N-Channel MOSFET Transistor

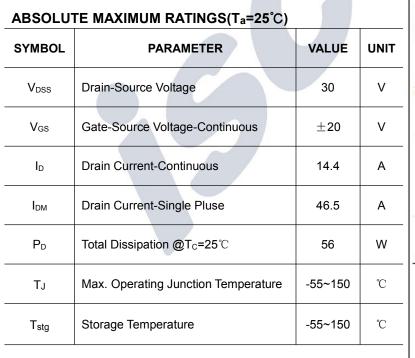
DMN3024LK3

FEATURES

- Drain Current –I_D= 14.4A@ T_C=25 $^\circ\!\mathrm{C}$
- Drain Source Voltage : V_{DSS}= 30V(Min)
- Static Drain-Source On-Resistance
- : $R_{DS(on)} = 24m \Omega$ (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.



PARAMETER

Thermal Resistance, Junction to Case

MAX

2.24

UNIT

°C/W

isc website: www.iscsemi.com

THERMAL CHARACTERISTICS

SYMBOL

R_{th j-c}

0

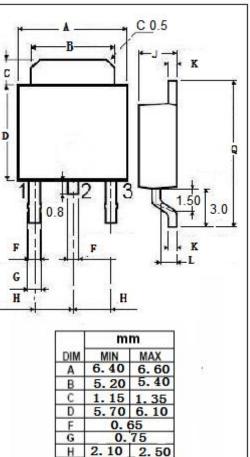
2.10

0.40

9.90

2.40

DPAK TO-252 package





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ELECTRICAL CHARACTERISTICS

$T_{\text{C}}\text{=}25\,^{\circ}\!\!\!\!\!\mathrm{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	МАХ	UNIT
V _{(BR)DSS}	Drain-Source Breakdown Voltage	V _{GS} = 0; I _D = 0.25mA	30		V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} = V _{GS} ; I _D = 0.25mA	1.0	3.0	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} = 10V; I _D = 7A		24	mΩ
lgss	Gate-Body Leakage Current	V _{GS} = ±20V;V _{DS} = 0		±100	nA
IDSS	Zero Gate Voltage Drain Current	V _{DS} = 30V; V _{GS} = 0		0.5	μA
V _{SD}	Forward On-Voltage	I _S = 1.7A; V _{GS} = 0		1.2	V

NOTICE:

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