

isc N-Channel MOSFET Transistor

IPB019N06L3

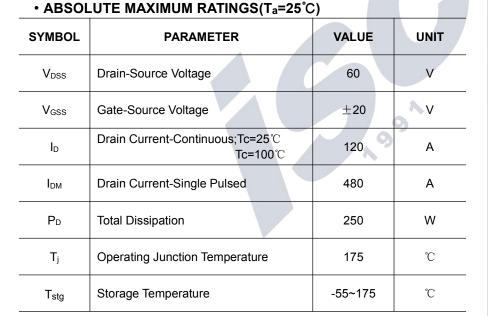
• FEATURES

- · With TO-263(D2PAK) packaging
- · High speed switching
- · Low gate input resistance
- · Standard level gate drive
- · Easy to use
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



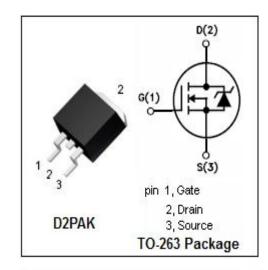
APPLICATIONS

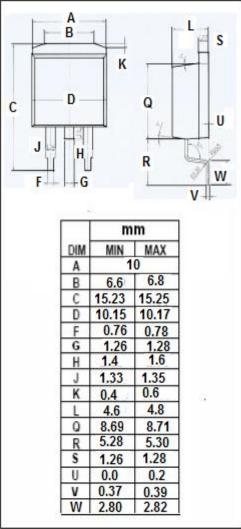
- Power supply
- · Switching applications



• THERMAL CHARACTERISTICS

SYMBOL	PARAMETER		UNIT	
Rth(ch-c)	Channel-to-case thermal resistance	0.6	°C/W	
Rth(ch-a)	Channel-to-ambient thermal resistance	40	°C/W	





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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} =0V; I _D =1mA	60			V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} =V _{GS} ; I _D =0.196mA	1.2		2.2	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} = 10V; I _D =100A		1.6	1.9	mΩ
I _{GSS}	Gate-Source Leakage Current	V _{GS} =±20V;V _{DS} = 0V			±0.1	μ А
I _{DSS}	Drain-Source Leakage Current	V _{DS} =60V; V _{GS} = 0V;Tc=25°C V _{DS} =60V; V _{GS} = 0V; Tc=125°C			3 300	μА
V _{SDF}	Diode forward voltage	I _{SD} =100A, V _{GS} = 0 V		0.9	1.2	V

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