

### **INCHANGE SEMICONDUCTOR**

# isc N-Channel MOSFET Transistor

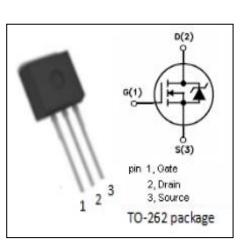
## IPI600N25N3

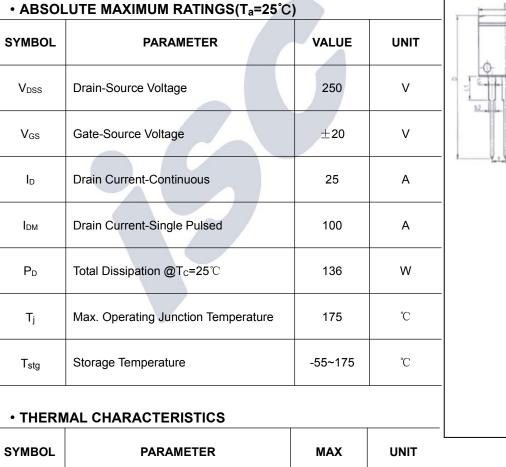
#### • FEATURES

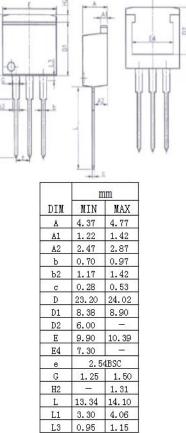
- Static drain-source on-resistance: RDs(on) ≤60mΩ
- Enhancement mode
- Fast Switching Speed
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

#### DESCRITION

· Ideal for high-frequency switching and synchronous rectification







SYMBOL	PARAMETER	МАХ	UNIT	
Rth(ch-c)	Channel-to-case thermal resistance	1.1	°C/W	

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## isc N-Channel MOSFET Transistor

## IPP600N25N3, IIPP600N25N3

#### ELECTRICAL CHARACTERISTICS

T<sub>c</sub>=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	ТҮР	МАХ	UNIT
BV <sub>DSS</sub>	Drain-Source Breakdown Voltage	V <sub>GS</sub> =0V; I <sub>D</sub> =1mA	250			v
V <sub>GS</sub> (th)	Gate Threshold Voltage	V <sub>DS</sub> =V <sub>GS</sub> ; I <sub>D</sub> =90 μ A	2		4	V
R <sub>DS(on)</sub>	Drain-Source On-Resistance	V <sub>GS</sub> =10V; I <sub>D</sub> =25A			60	mΩ
I <sub>GSS</sub>	Gate-Source Leakage Current	V <sub>GS</sub> = 20V;V <sub>DS</sub> =0V			0.1	μA
I <sub>DSS</sub>	Drain-Source Leakage Current	V <sub>DS</sub> =200V; V <sub>GS</sub> = 0V			1	μA
V <sub>SD</sub>	Diode forward voltage	I <sub>F</sub> =25A; V <sub>GS</sub> = 0V			1.2	V

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