

sc N-Channel MOSFET Transistor

AOTF2606L

• FEATURES

- Static drain-source on-resistance: $R_{DS}(on) \le 6.5m_{\Omega}$
- Enhancement mode
- Fast Switching Speed
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

DESCRITION

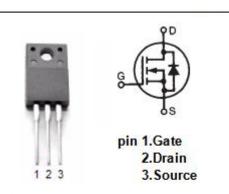
lом

 P_D

Тj

• Be suitable for synchronous rectification for server and general purpose applications

• ABSOLUTE MAXIMUM RATINGS(Ta=25°C) SYMBOL PARAMETER VALUE VDSS Drain-Source Voltage 60 VGS Gate-Source Voltage ±20 ID Drain Current-Continuous 54



UNIT

V

V

А

А

W

°C

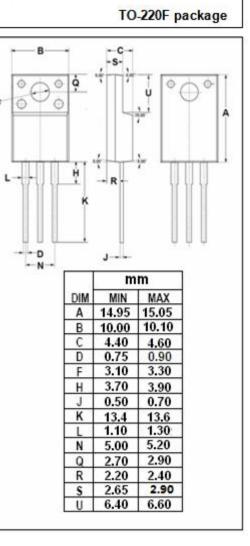
°C

260

36.5

175

1



T_{stg} Storage Temperature -55~175

Max. Operating Junction Temperature

Drain Current-Single Pulsed

Total Dissipation @T_C=25℃

• THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
Rth(ch-c)	Channel-to-case thermal resistance	4.1	°C/W



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ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MIN	ТҮР	МАХ	UNIT
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} =0V; ID = 250 μ A	60			v
$V_{GS(th)}$	Gate Threshold Voltage	V _{DS} = V _{GS} ; ID = 250 μ A	2.5		3.5	v
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} = 10V; I _D = 20A V _{GS} = 10V; I _D = 20A;T _J =125°C			6.5 10.5	mΩ
lgss	Gate-Source Leakage Current	V _{GS} = ±20V;V _{DS} = 0V			±0.1	μA
I _{DSS}	Drain-Source Leakage Current	V _{DS} = 60V; V _{GS} = 0V			1	μA
V _{SD}	Diode forward voltage	Is= 1A; V _{GS} = 0V			1.2	V

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