

isc N-Channel MOSFET Transistor

FTP03N03N

• FEATURES

- Static drain-source on-resistance:
 R_Ds(on) ≤3mΩ
- · Enhancement mode
- · Fast Switching Speed
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



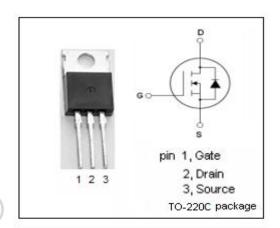
 Be suitable for synchronous rectification for server and general purpose applications

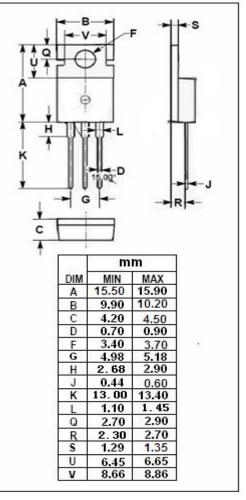


SYMBOL	PARAMETER	VALUE	
V _{DSS}	Drain-Source Voltage	30	V
V _{GS}	Gate-Source Voltage	±20	V
I _D	Drain Current-Continuous	150	A
I _{DM}	Drain Current-Single Pulsed	600	Α
P _D	Total Dissipation @T _C =25℃	100	W
Tj	Max. Operating Junction Temperature	150	${\mathbb C}$
T _{stg}	Storage Temperature	-55~150	${\mathbb C}$

• THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
Rth(ch-c)	Channel-to-case thermal resistance	1.25	°C/W





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ELECTRICAL CHARACTERISTICS

T_C=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	ТҮР	MAX	UNIT
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} =0V; I _D =250 μ A	30			V
V _{GS(th)}	Gate Threshold Voltage	V _{DS} =V _{GS} ; ID =250 μ A	1		3	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} =10V; I _D =75A			3	mΩ
I _{GSS}	Gate-Source Leakage Current	V _{GS} = ±20V;V _{DS} =0V			±100	nA
I _{DSS}	Drain-Source Leakage Current	V _{DS} =30V; V _{GS} = 0V			1	μА
V _{SD}	Diode forward voltage	Is=50A; V _{GS} = 0V			1.2	V

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