

isc N-Channel MOSFET Transistor

IXUC160N075

• FEATURES

- · Drain Source Voltage-
- : V_{DSS}= 75V(Min)
- Static drain-source on-resistance:
 R_{DS}(on) ≤ 6.5mΩ@V_{GS}=10V
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATION





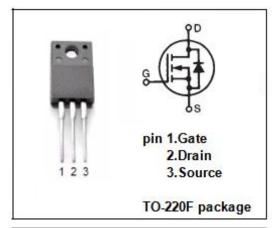


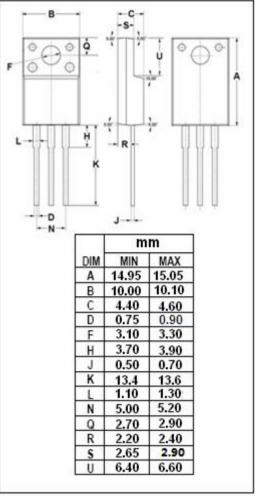
ABSOLUTE MAXIMUM RATINGS(T_a=25°C)

UNIT
V
V
Α
Α
W
$^{\circ}$ C
$^{\circ}\!\mathbb{C}$
A A W

• THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
$R_{th(j-c)}$	Junction-to-case thermal resistance	0.5	°C/W







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ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	ТҮР	MAX	UNIT
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} =0V; I _D = 250 μ A	75			V
V _{GS} (th)	Gate Threshold Voltage	V _{DS} =V _{GS} ; ID = 2mA	2.0		4.0	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} =10V; I _D = 100A			6.5	mΩ
Igss	Gate-Source Leakage Current	V _{GS} = ±20V;V _{DS} =0V			±200	nA
I _{DSS}	Drain-Source Leakage Current	V _{DS} = V _{DSS} ; V _{GS} = 0V			20	μ А
	Drain Source Estategy Station.	V_{DS} = V_{DSS} ; V_{GS} = $0V$; T_J = 125 °C		1000		P-71
V _{SD}	Diode forward voltage	I _F = 80A; V _{GS} = 0V			1.5	V

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