

isc N-Channel MOSFET Transistor

IXTA64N10L2

RDS(• Fully ch • 100% a • Minimu perform • APPLI • Curren • Solid S	drain-source on-resistance: on) $\leq 32m\Omega@V_{GS}=10V$ naracterized avalanche voltage and of avalanche tested im Lot-to-Lot variations for robust de nance and reliable operation	D ² PAK D ² PAK			
SYMBOL	PARAMETER	VALUE	UNIT	К	
V _{DSS}	Drain-Source Voltage	100	V	C D Q +U	
V _{GS}	Gate-Source Voltage	±20	V		
ID	Drain Current-Continuous	64	А	$F \rightarrow F \rightarrow G$	
I _{DM}	Drain Current-Single Pulsed	140	А	DIM MIN MAX	
PD	Total Dissipation @T _c =25℃	357	W	A 10 B 6.6 6.8	
Tj	Operating Junction Temperature	-55~150	°C	- C 15.23 15.25 D 10.15 10.17 F 0.76 0.78	
T _{stg}	Storage Temperature	-55~150	°C	G 1.26 1.28 H 1.4 1.6	
• THERM	IAL CHARACTERISTICS	brage Temperature -55~150 °C H 1.4 1.6 J 1.33 1.35 K 0.4 0.6 L 4.6 4.8 0 8.69 8.71 0 8.69 8.71 0 8.69 8.71 0			
SYMBOL	PARAMETER	MAX	UNIT	R 5.28 5.30 S 1.26 1.28	

R_{th(j-c)}

Junction-to-case thermal resistance

°C/W

0.35

1

0.0

W 2.80

U

٧

0.2

0.39

2.82



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ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	МАХ	UNIT
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} =0V; ID = 250 μ A	100		V
$V_{GS(th)}$	Gate Threshold Voltage	V _{DS} =V _{GS} ; ID = 250 μ A	2.5	4.5	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} =10V; I _D = 32A		32	mΩ
I _{GSS}	Gate-Source Leakage Current	V _{GS} = ±20V;V _{DS} =0V		±100	nA
I _{DSS}	Drain-Source Leakage Current	V _{DS} = V _{DSS} ; V _{GS} = 0V			
		V _{DS} = V _{DSS} ; V _{GS} = 0V;T _J = 125°C		25	μΑ
V _{SD}	Diode forward voltage	I _F = 64A; V _{GS} = 0V		1.4	V

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