

isc N-Channel MOSFET Transistor

TK65G10N1

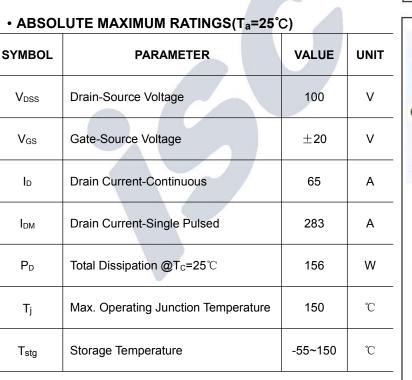
• FEATURES

- Low drain-source on-resistance: Rbs(on) ≤4.5mΩ. (VGs = 10 V)
- · Enhancement mode:
 - Vth =2.0 to 4.0V (VDS = 10 V, ID=1.0mA)
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

DESCRITION

Switching Voltage Regulators

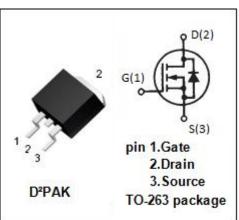
• ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

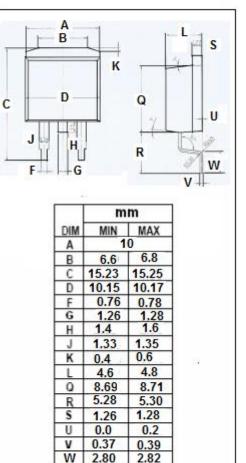


THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	МАХ	UNIT
Rth(ch-c)	Channel-to-case thermal resistance	0.8	°C/W

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isc website: www.iscsemi.cn



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ELECTRICAL CHARACTERISTICS

$T_{\texttt{C}}\text{=}25^{\circ}\!\!\mathbb{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	ТҮР	МАХ	UNIT
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} =0V; I _D =10mA	100			v
V _{GS(th)}	Gate Threshold Voltage	V _{DS} =10V; I _D =1.0mA	2.0		4.0	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} =10V; I _D =32.5A			4.5	mΩ
lgss	Gate-Source Leakage Current	V _{GS} = ±20V;V _{DS} = 0V			±0.1	μ Α
I _{DSS}	Drain-Source Leakage Current	V _{DS} =100V; V _{GS} = 0V			10	μA
V _{SDF}	Diode forward voltage	I _{DR} =65A, V _{GS} = 0 V			1.2	V

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