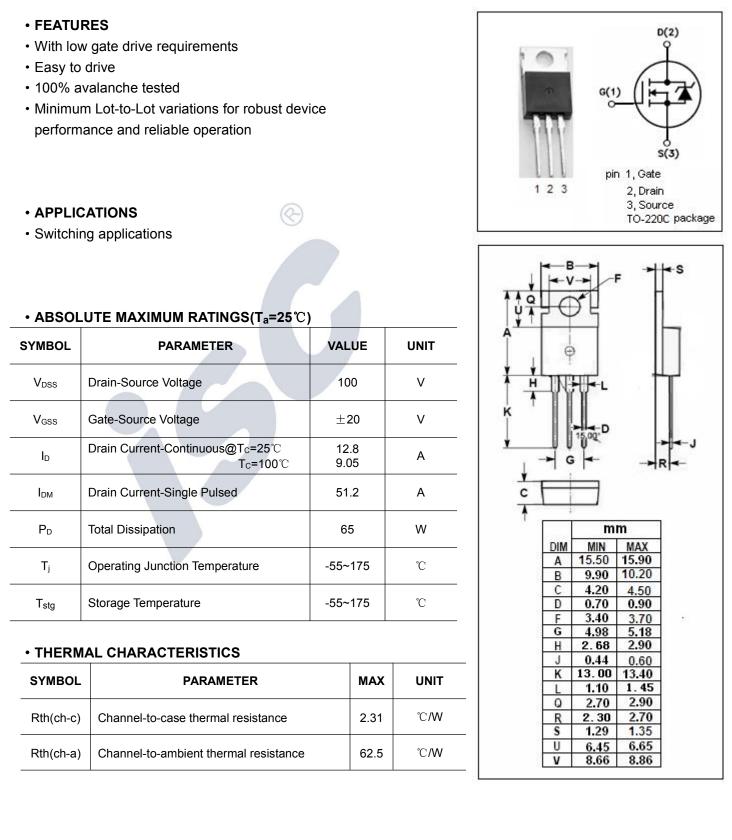


INCHANGE SEMICONDUCTOR

isc N-Channel MOSFET Transistor

FQP13N10L



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FQP13N10L

ELECTRICAL CHARACTERISTICS

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

SYMBOL	PARAMETER	CONDITIONS	MIN	ТҮР	МАХ	UNIT
BV _{DSS}	Drain-Source Breakdown Voltage	V _{GS} =0V; I _D = 0.25mA	100			V
V _{GS} (th)	Gate Threshold Voltage	V _{DS} =±20V; I _D =0.25mA	1		2	V
R _{DS(on)}	Drain-Source On-Resistance	V _{GS} = 10V; I _D =6.4A V _{GS} = 5V; I _D =6.4A		142 158	180 200	mΩ
I _{GSS}	Gate-Source Leakage Current	V _{GS} = ±20V;V _{DS} =0V			±0.1	μA
I _{DSS}	Drain-Source Leakage Current	V_{DS} = 100V; V_{GS} = 0V; V_{DS} = 80V; V_{GS} = 0V;			1 10	μA
V _{SDF}	Diode forward voltage	I _{SD} =12.8A, V _{GS} = 0 V			1.5	V

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