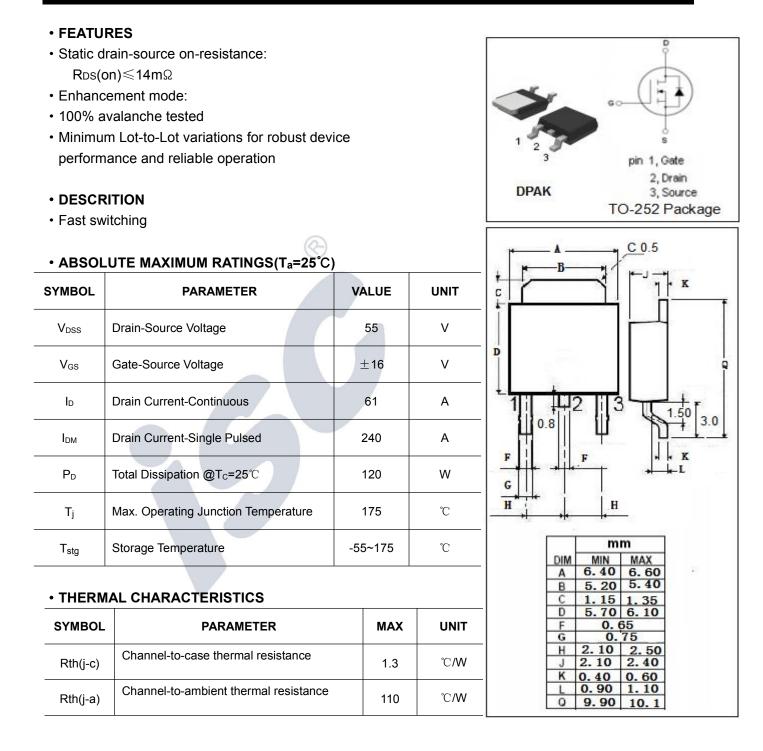


### INCHANGE SEMICONDUCTOR

# isc N-Channel MOSFET Transistor

## IRLR3915, IIRLR3915





## isc N-Channel MOSFET Transistor

### IRLR3915, IIRLR3915

#### ELECTRICAL CHARACTERISTICS

T<sub>c</sub>=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	ТҮР	МАХ	UNIT
BV <sub>DSS</sub>	Drain-Source Breakdown Voltage	V <sub>GS</sub> =0V; I <sub>D</sub> =250 μ A	55			V
V <sub>GS</sub> (th)	Gate Threshold Voltage	VDS=VGS; I <sub>D</sub> =250 µ A	1		3	V
R <sub>DS(on)</sub>	Drain-Source On-Resistance	V <sub>GS</sub> =10V; I <sub>D</sub> =30A			14	mΩ
I <sub>GSS</sub>	Gate-Source Leakage Current	V <sub>GS</sub> = ±16V			±0.2	μA
I <sub>DSS</sub>	Drain-Source Leakage Current	V <sub>DS</sub> =55V; V <sub>GS</sub> = 0V			20	μA
V <sub>SD</sub>	Diode forward voltage	I <sub>s</sub> =30A, V <sub>GS</sub> = 0V			1.3	V

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