

isc N-Channel MOSFET Transistor**IRFR3704Z, IIRFR3704Z****ELECTRICAL CHARACTERISTICS** $T_c=25^\circ\text{C}$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP	MAX	UNIT
BV_{DSS}	Drain-Source Breakdown Voltage	$\text{V}_{\text{GS}}=0\text{V}; \text{I}_D=0.25\text{mA}$	20			V
$\text{V}_{\text{GS(th)}}$	Gate Threshold Voltage	$\text{V}_{\text{DS}}=\text{V}_{\text{GS}}; \text{I}_D=250 \mu\text{A}$	1.65		2.55	V
$\text{R}_{\text{DS(on)}}$	Drain-Source On-Resistance	$\text{V}_{\text{GS}}=10\text{V}; \text{I}_D=15\text{A}$			8.4	$\text{m}\Omega$
I_{GSS}	Gate-Source Leakage Current	$\text{V}_{\text{GS}}= \pm 20\text{V}$			± 0.1	μA
I_{DSS}	Drain-Source Leakage Current	$\text{V}_{\text{DS}}=16\text{V}; \text{V}_{\text{GS}}= 0\text{V}$			1	μA
V_{SD}	Diode forward voltage	$\text{I}_s=12\text{A}, \text{V}_{\text{GS}} = 0\text{V}$			1.0	V