



MQ2N4091 (#75626)

[RFQ/Sample](#)

N Channel JFET

Package

Division	Lawrence	Datasheet	lds-0007.doc
Mil-Spec	431		
Shipping	(none)	Qual Data	Contact Microsemi

Maximum Electrical Rating	Symbol	Max	Unit
Power Dissipation	P_D	0.36	W

Electrical Rating	Symbol	Min	Typ	Max	Unit
Gate-Source Voltage	V_{GS}	-40			V
Drain-Source Voltage	V_{DS}	40			V
Drain-Gate Voltage	V_{DG}	40			V
Gate Current	I_G			10	mA
Junction Temperature	T_j	-65		175	°C
Operating and Storage Temperature	$T_{STG/Top}$	-65		200	°C

Electrical Test	Symbol	Min	Typ	Max	Unit
Static Drain to Source "on" Resistance	$R_{DS(on)}$			30	Ohm
Gate Reverse Current	I_{GSS}			-0.1	nA
Drain Cutoff Current	$I_{d(off)}$			-0.1	nA
Drain Current Zero Gate Voltage	I_{DSS}	30			mA
Drain-Source "On" State Voltage	V_{dsON}			0.2	V
Turn-on Delay Time	$t_{d(on)}$			15	nsec
Turn-off Delay Time	$t_{d(off)}$			40	nsec
Input Capacitance/Source to Drain Short	C_{iss}			16	pF
Reverse Transfer Capacitance	C_{rss}			5	pF

