

6HN04CH

Features

- 4V drive.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	V _{DSS}		60	V
Gate-to-Source Voltage	V _{GSS}		±20	V
Drain Current (DC)	I _D		200	mA
Drain Current (Pulse)	I _{DP}	PW≤10μs, duty cycle≤1%	800	mA
Allowable Power Dissipation	P _D	When mounted on ceramic substrate (900mm ² ×0.8mm)	0.6	W
Channel Temperature	T _{ch}		150	°C
Storage Temperature	T _{stg}		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Drain-to-Source Breakdown Voltage	V _{(BR)DSS}	I _D =1mA, V _{GS} =0V	60			V
Zero-Gate Voltage Drain Current	I _{DSS}	V _{DS} =60V, V _{GS} =0V			1	μA
Gate-to-Source Leakage Current	I _{GSS}	V _{GS} =±16V, V _{DS} =0V			±10	μA
Cutoff Voltage	V _{GS(off)}	V _{DS} =10V, I _D =100μA	1.2		2.6	V
Forward Transfer Admittance	y _{fs}	V _{DS} =10V, I _D =100mA	140	240		mS
Static Drain-to-Source On-State Resistance	R _{DS(on)1}	I _D =100mA, V _{GS} =10V		1.8	2.4	Ω
	R _{DS(on)2}	I _D =50mA, V _{GS} =4V		2.6	3.7	Ω
Input Capacitance	C _{iss}	V _{DS} =20V, f=1MHz		27		pF
Output Capacitance	C _{oss}	V _{DS} =20V, f=1MHz		8.6		pF
Reverse Transfer Capacitance	C _{rss}	V _{DS} =20V, f=1MHz		4.4		pF

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