Product specification



1HN04CH

Features

• 4V drive.

Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	VDSS		100	V
Gate-to-Source Voltage	VGSS		±20	V
Drain Current (DC)	۱ _D		120	mA
Drain Current (Pulse)	IDP	PW≤10μs, duty cycle≤1%	480	mA
Allowable Power Dissipation	PD	Mounted on a ceramic board (900mm ² ×0.8mm)	0.6	W
Channel Temperature	Tch		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions		Ratings		
			min	typ	max	Unit
Drain-to-Source Breakdown Voltage	V(BR)DSS	ID=1mA, VGS=0V	100			V
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =100V, V _{GS} =0V			1	μΑ
Gate-to-Source Leakage Current	IGSS	V _{GS} =±16V, V _{DS} =0V			±10	μΑ
Cutoff Voltage	VGS(off)	VDS=10V, ID=100µA	1.2		2.6	V
Forward Transfer Admittance	yfs	V _{DS} =10V, I _D =60mA	100	175		mS
Static Drain-to-Source On-State Resistance	R _{DS} (on)1	ID=60mA, VGS=10V		6.1	8.0	Ω
	RDS(on)2	ID=30mA, VGS=4V		7	9.8	Ω
Input Capacitance	Ciss	V _{DS} =20V, f=1MHz		19		pF
Output Capacitance	Coss	V _{DS} =20V, f=1MHz		2.6		pF
Reverse Transfer Capacitance	Crss	VDS=20V, f=1MHz		1.3		pF

Marking : LB

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