查询CPH3408供应商

捷多邦,专业PCB打样工厂,24小时加急出货

Ordering number : ENN6998



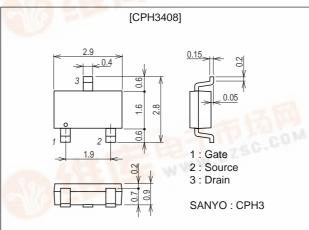
Features

- · Low ON-state resistance.
- Ultrahigh-speed switching.
- 4V drive.

Package Dimensions

unit : mm

2152A



Specifications

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	VDSS		30	V
Gate-to-Source Voltage	VGSS		±20	V
Drain Current (DC)	۱ _D		5	А
Drain Current (Pulse)	IDP	PW≤10µs, duty cycle≤1%	20	А
Allowable Power Dissipation	PD	Mounted on a ceramic board (900mm ² X0.8mm)	1.2	W
Channel Temperature	Tch	1 h + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Drain-to-Source Breakdown Voltage	V(BR)DSS	ID=1mA, VGS=0	30			V
Zero-Gate Voltage Drain Current	IDSS	VDS=30V, VGS=0			1	μΑ
Gate-to-Source Leakage Current	IGSS	V _{GS} =±16V, V _{DS} =0			±10	μA
Cutoff Voltage	VGS(off)	VDS=10V, ID=1mA	1.0		2.4	V
Forward Transfer Admittance	yfs	V _{DS} =10V, I _D =3A	4.5	6.5	201	S
Static Drain-to-Source On-State Resistance	R _{DS} (on)1	ID=3A, VGS=10V	- C	33	43	mΩ
	RDS(on)2	ID=1A, VGS=4V		48	68	mΩ

Marking : KH

Continued on next page.

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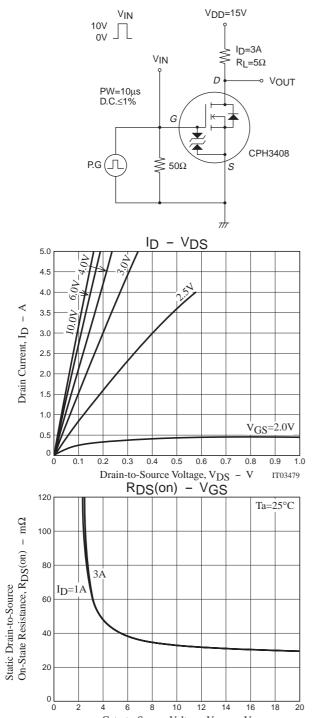
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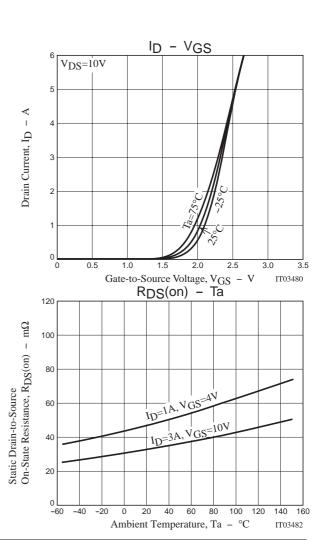
Parameter	Symbol	Conditions		Ratings		
	Symbol		min	typ	max	Unit
Input Capacitance	Ciss	V _{DS} =10V, f=1MHz		480		pF
Output Capacitance	Coss	V _{DS} =10V, f=1MHz		130		pF
Reverse Transfer Capacitance	Crss	V _{DS} =10V, f=1MHz		70		pF
Turn-ON Delay Time	t _d (on)	See specified Test Circuit		9		ns
Rise Time	tr	See specified Test Circuit		64		ns
Turn-OFF Delay Time	t _d (off)	See specified Test Circuit		36		ns
Fall Time	tf	See specified Test Circuit		45		ns
Total Gate Charge	Qg	V _{DS} =10V, V _{GS} =10V, I _D =5A		11		nC
Gate-to-Source Charge	Qgs	V _{DS} =10V, V _{GS} =10V, I _D =5A		1.0		nC
Gate-to-Drain "Miller" Charge	Qgd	VDS=10V, VGS=10V, ID=5A		2.0		nC
Diode Forward Voltage	VSD	IS=5A, VGS=0		0.8	1.2	V

Switching Time Test Circuit

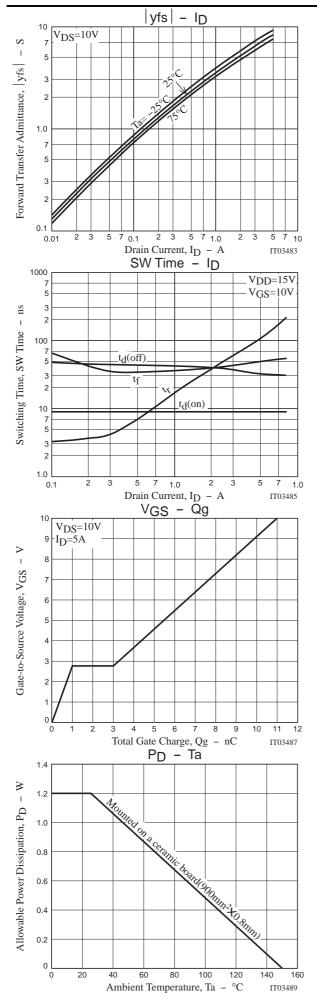


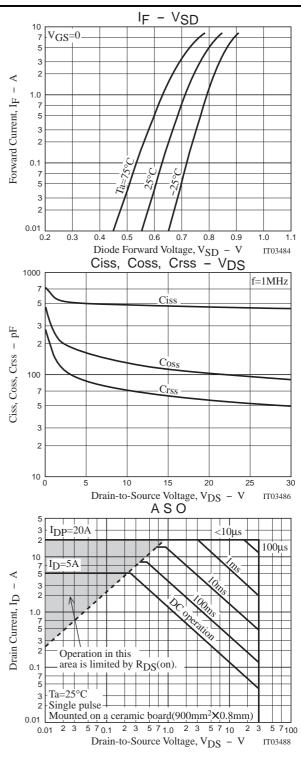
Gate-to-Source Voltage, V_{GS} – V

IT03481



CPH3408





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