



MCH5908

N-Channel JFET 15V, 10 to 32mA, 35mS, Dual MCPH5

ON Semiconductor®

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Features

- Composite type with 2 J-FET contained in a MCPH5 package currently in use, improving the mounting efficiency greatly
- The MCH5908 is formed with two chips, being equivalent to the 2SK3557, placed in one package

Specifications

Absolute Maximum Ratings at Ta=25°C

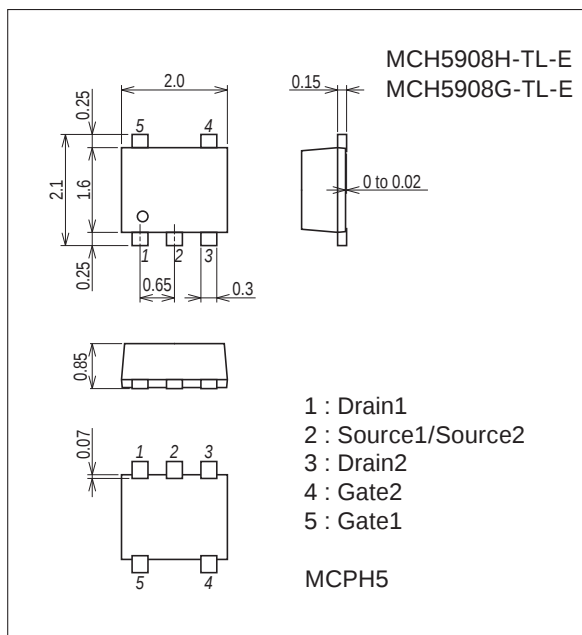
Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	V_{DSX}		15	V
Gate-to-Drain Voltage	V_{GDS}		-15	V
Gate Current	I_G		10	mA
Drain Current	I_D		50	mA
Allowable Power Dissipation	P_D	1 unit	200	mW
Total Power Dissipation	P_T		300	mW
Junction Temperature	T_j		150	°C
Storage Temperature	T_{stg}		-55 to +150	°C

Stresses exceeding Maximum Ratings may damage the device. Maximum Ratings are stress ratings only. Functional operation above the Recommended Operating Conditions is not implied. Extended exposure to stresses above the Recommended Operating Conditions may affect device reliability.

Package Dimensions

unit : mm (typ)

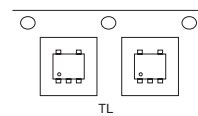
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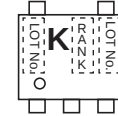
Product & Package Information

- Package : MCPH5
- JEITA, JEDEC : SC-88A, SC-70-5, SOT-353
- Minimum Packing Quantity : 3,000 pcs./reel

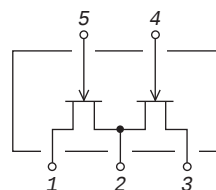
Packing Type : TL



Marking



Electrical Connection



MCH5908

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Gate-to-Drain Breakdown Voltage	V(BR)GDS	IG=-10μA, VDS=0V	-15			V
Gate-to-Source Leakage Current	IGSS	VGS=-10V, VDS=0V			-1.0	nA
Cutoff Voltage	VGS(off)	VDS=5V, ID=100μA	-0.3	-0.7	-1.5	V
Zero-Gate Voltage Drain Current	IDSS	VDS=5V, VGS=0V	10.0*		32.0*	mA
Forward Transfer Admittance	yfs	VDS=5V, VGS=0V, f=1kHz	24	35		mS
Input Capacitance	Ciss	VDS=5V, VGS=0V, f=1MHz		10.5		pF
Reverse Transfer Capacitance	Crss			3.5		pF
Noise Figure	NF	VDS=5V, Rg=1kΩ, ID=1mA, f=1kHz		1.0		dB

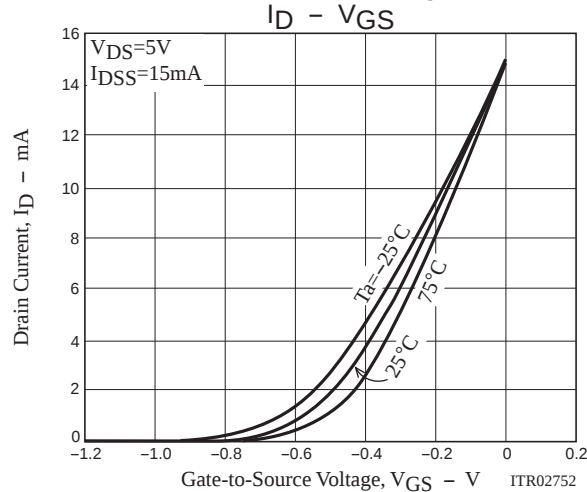
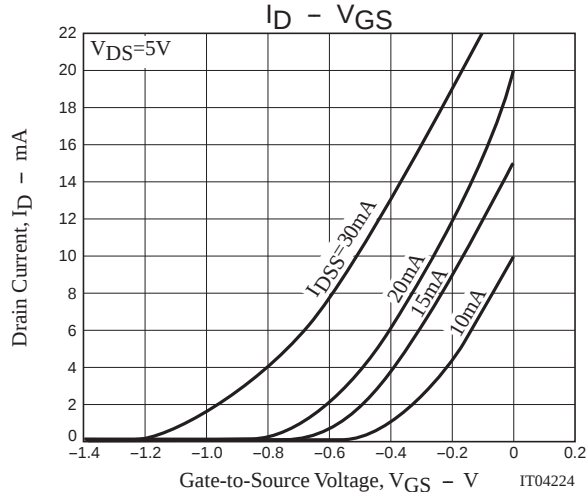
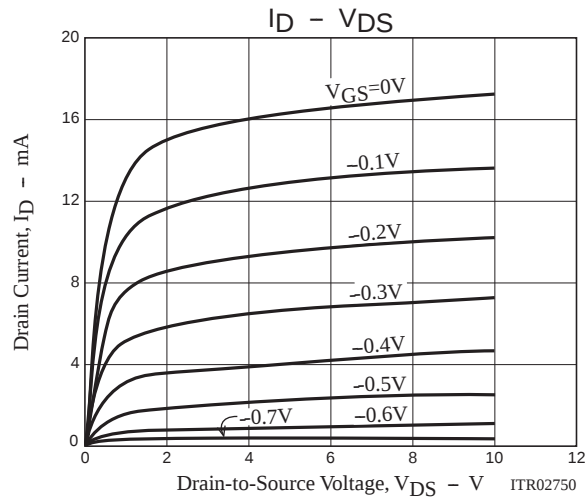
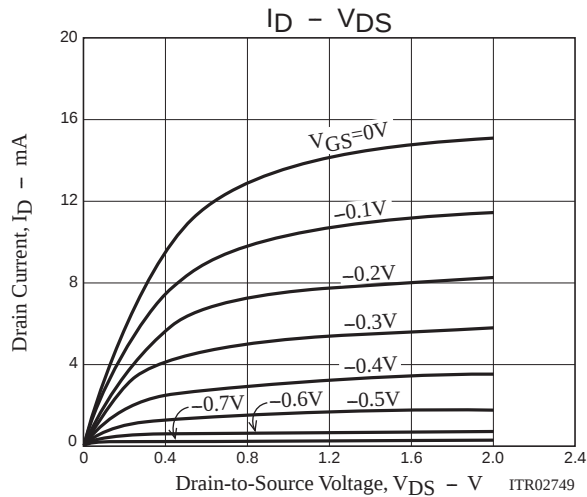
The specifications shown above are for each individual J-FET.

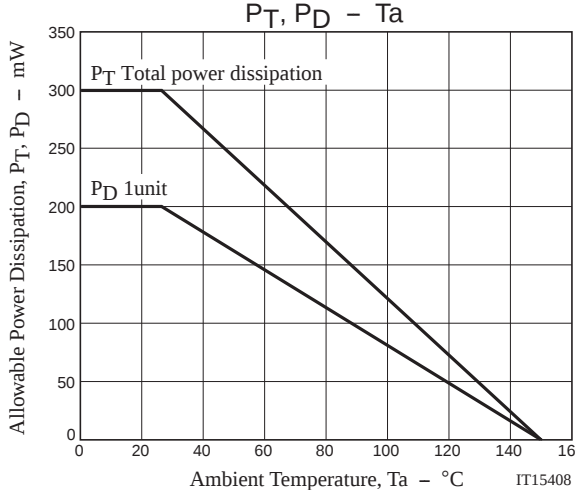
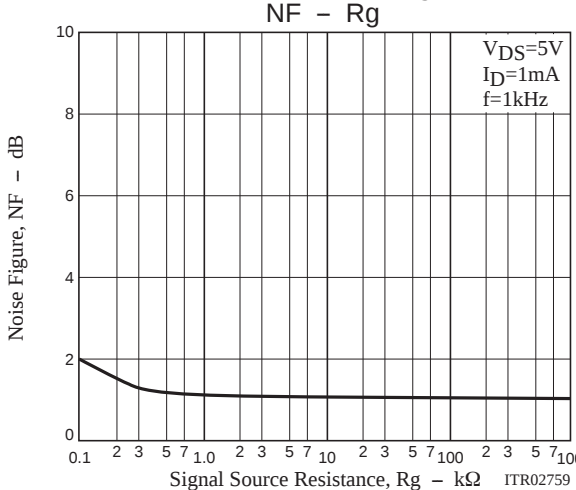
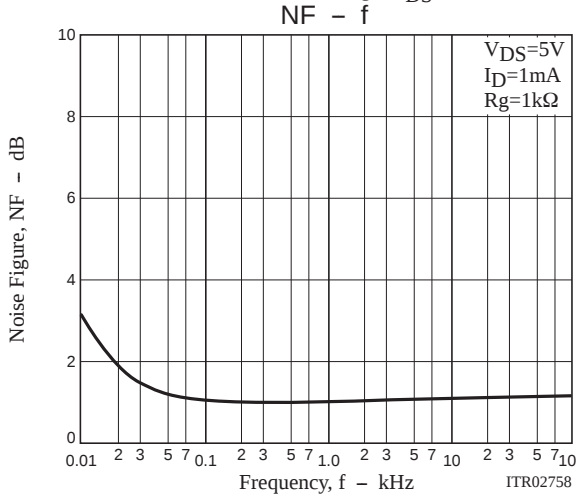
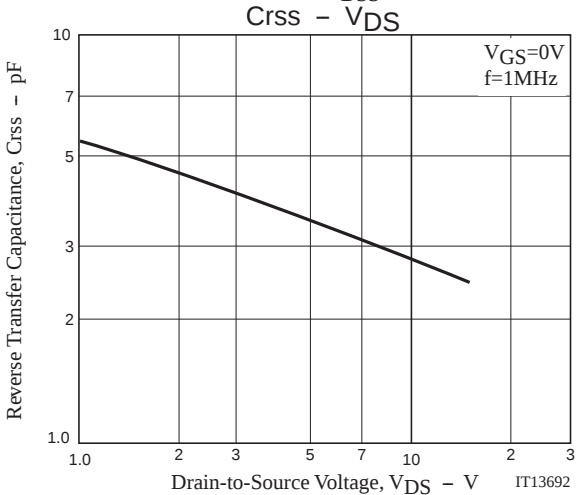
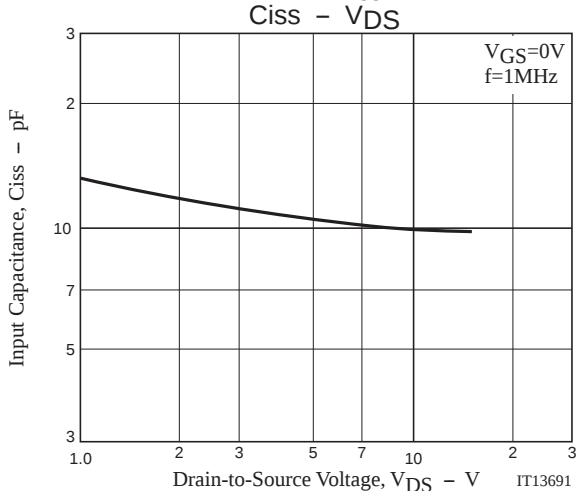
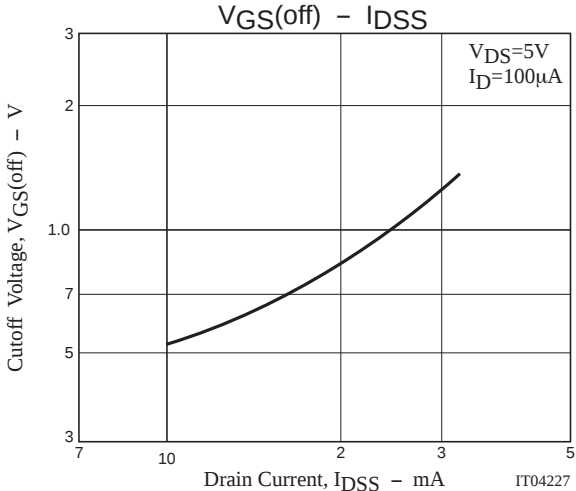
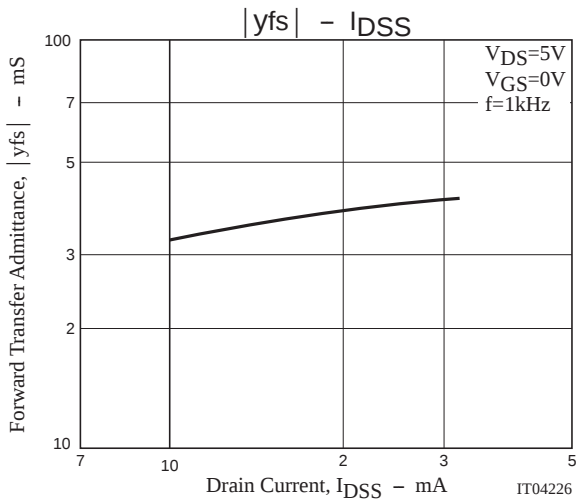
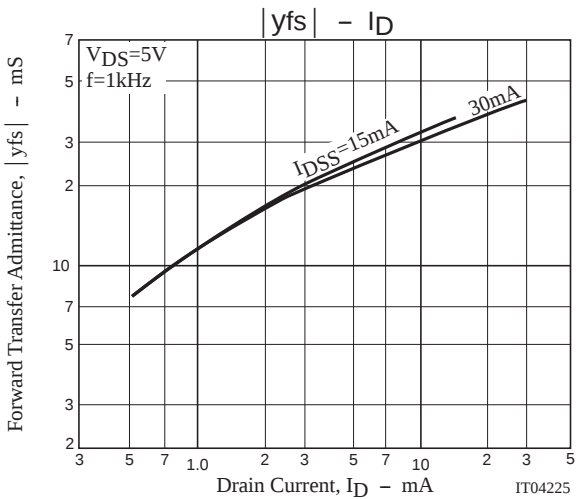
* : The MCH5908 is classified by IDSS as follows (unit : mA).

Rank	G	H
IDSS	10 to 20	16 to 32

Ordering Information

Device	Package	Shipping	memo
MCH5908H-TL-E	MCPH5	3,000pcs./reel	Pb Free
MCH5908G-TL-E	MCPH5	3,000pcs./reel	

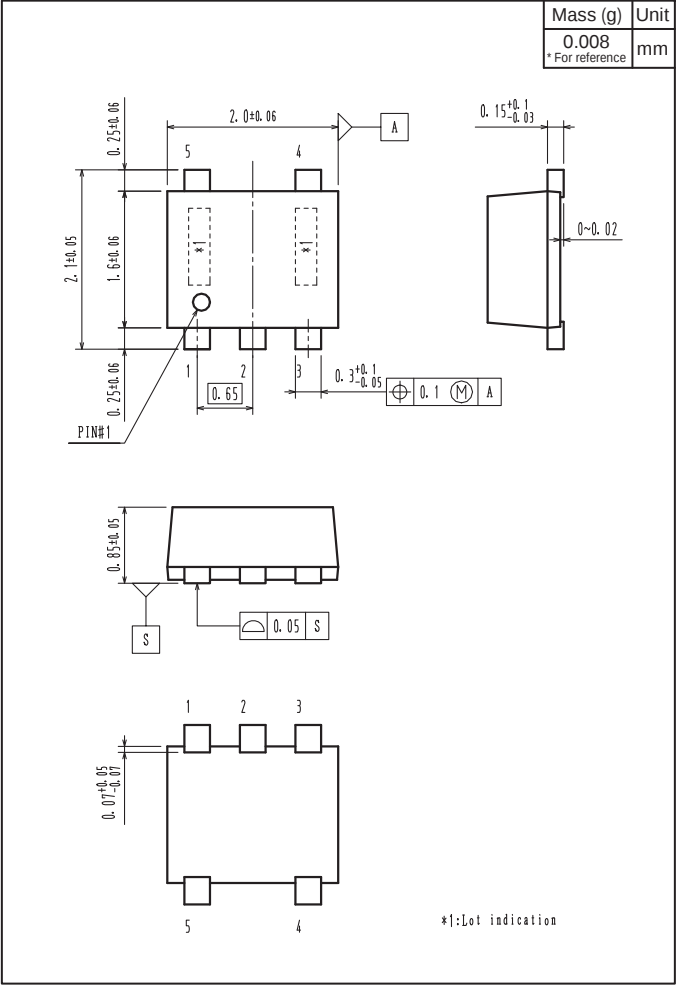




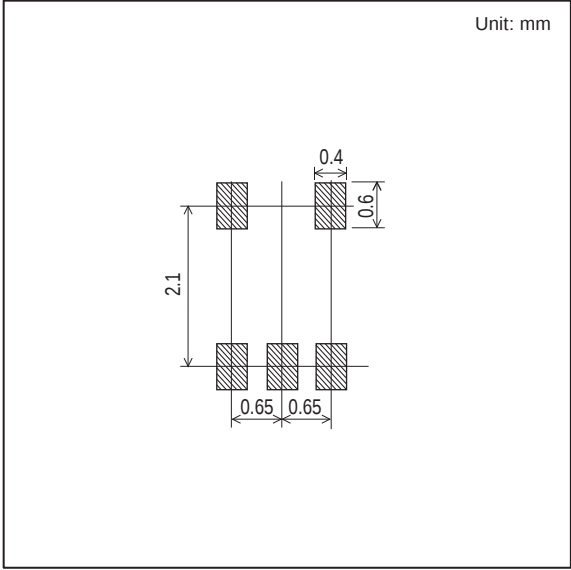
MCH5908

Outline Drawing

MCH5908H-TL-E, MCH5908G-TL-E



Land Pattern Example



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