

# Featured Products



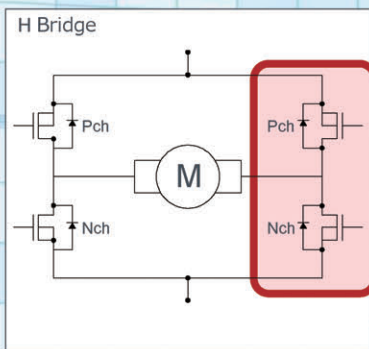
Ideal for motor drive

## Dual-Element (Nch+Pch) MOSFET

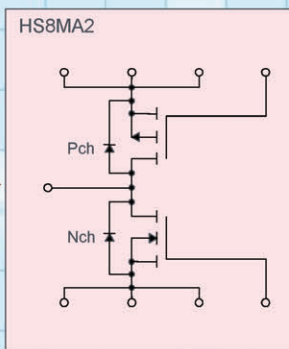
HS8MA2

### Circuit Example

- Simplifies circuit design
- Saves space



Facilitates design



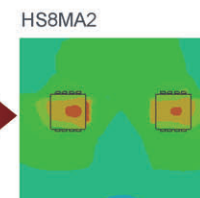
### Excellent Heat Dissipation

#### Surface temperature comparison

Competitor Products



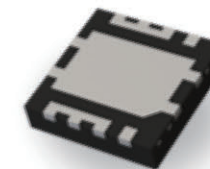
Surface temperature rise reduced 10%



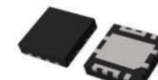
\*Evaluation with JESD51-3 board

### High Power Package DFN3333 (HSML3333L9)

- Backside heat dissipation
- Compact high power design




New high power package

Part No.	Polarity (ch)	P <sub>D</sub> (W) T <sub>a</sub> =25°C	V <sub>DSS</sub> (V)	I <sub>D</sub> (A)	R <sub>DS(on)</sub> Typ(mΩ)		Size (mm)	Package
					V <sub>GS</sub> =10V	V <sub>GS</sub> =4.5V		
<b>New</b> HS8MA2	N + P	4.0	30	7.0	25	40	3.3×3.3×0.75	 DFN3333 (HSML3333L9)
			-30	-5.5	55	80		

Note) ( ): ROHM Package Type

### Popular series (TSMT8) Compact package

Broad current lineup supports a range of motor sizes

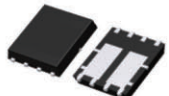
Part No.	Polarity (ch)	P <sub>D</sub> (W) T <sub>a</sub> =25°C	V <sub>DSS</sub> (V)	I <sub>D</sub> (A)	R <sub>DS(on)</sub> Typ(mΩ)		Size (mm)	Package
					V <sub>GS</sub> =10V	V <sub>GS</sub> =4.5V		
QH8MA4	N+P	2.6 *	30	9.0 *	12.3	18.2	2.8×3.0×0.8	 (TSMT8)
			-30	-8.0 *	22.0	31.0		
QH8MA3		2.5 *	30	7.0 *	22	35		
			-30	-5.5 *	37	55		
QH8MA2		1.5	30	4.5	25	40		
			-30	-3.0	55	80		

Note) ( ): ROHM Package Type, \*Pw≤1s

# Dual-Element MOSFETs for Motor Drive

## HP8Mxx series (HSOP8) High Power Package


30V to 100V lineup compatible with industrial equipment

Part No.	Polarity (ch)	P <sub>D</sub> (W) (T <sub>a</sub> =25°C)	V <sub>DSS</sub> (V)	I <sub>b</sub> (A)	R <sub>DS(on)</sub> Typ(mΩ)		Size (mm)	Package
					V <sub>GS</sub> =10V	V <sub>GS</sub> =4.5V		
HP8MA2	N+P	7.0*	30	18.0 *	7.5	11.7	6.0×5.0×1.0	 (HSOP8)
			-30	-15.0 *	13.2	21.0		
HP8M31			60	8.5 *	46	52		
			-60	-8.5 *	50	55		
New HP8M51			100	4.5 *	120	130		
			-100	-4.5 *	210	230		

Note) ( ): ROHM Package Type, \*Pw≤1s

## SH8MAx series (SOP8) Gull Wing Package

Best-selling option for most motors

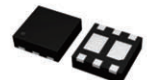
Part No.	Polarity (ch)	P <sub>D</sub> (W) (T <sub>a</sub> =25°C)	V <sub>DSS</sub> (V)	I <sub>b</sub> (A)	R <sub>DS(on)</sub> Typ(mΩ)		Size (mm)	Package
					V <sub>GS</sub> =10V	V <sub>GS</sub> =4.5V		
New SH8MA4	N+P	3.0*	30	9.0 *	16.5	22.2	6.0×5.0×1.75	 (SOP8)
			-30	-8.5 *	23	32		
New SH8MA3		2.8*	30	7.0 *	23	42		
			-30	-6.0 *	40	60		
New SH8MA2		2.7*	30	4.5 *	57	88		
			-30	-4.5 *	63	89		

Note) ( ): ROHM Package Type, \*Pw≤1s

## UT6MAx series (HUML2020L8) Compact Package

2.5V drive

Popular choice for smaller motors

Part No.	Polarity (ch)	P <sub>D</sub> (W) (T <sub>a</sub> =25°C)	V <sub>DSS</sub> (V)	I <sub>b</sub> (A)	R <sub>DS(on)</sub> Typ(mΩ)			Size (mm)	Package
					V <sub>GS</sub> =10V	V <sub>GS</sub> =4.5V	V <sub>GS</sub> =2.5V		
UT6MA3	N+P	2.0	20	5.5	—	30	45	2.0×2.0×0.6	 (HUML2020L8)
			-20	-5.0	—	42	54		
UT6MA2			30	4.0	37	59	—		
			-30	-4.0	55	80	—		

Note) ( ): ROHM Package Type



**ROHM Co., Ltd.**

21 Saini Mizosaki-cho, Ukuyo-ku,  
Kyoto 615-8585 Japan

www.rohm.com

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The content specified in this document is correct as of October 1st, 2019.