

DC motor driver

Part No.	Supply voltage range(V)		Power dissipation (mW)	Maximum output current (mA)	Channel	Output mode	TSD	Stand-by mode	Output voltage setting	Electronic governor	Package
	Control block	Output block									
BA6109		6~18	2200	800	For 1 motor	FRB			○		HSIP10
BA6208/F		4.5~15	700/ 450	500		FRSB					SIP9/SOP8
BA6209/N		6~18	2200/1000	1600		FRB			○		HSIP10/SIP10
BA6218		4.5~15	800	700		FRSB		○		○	SIP9
BA6219B/BFP-Y		8~18	2200/1450	2200		FRSB	○		○		HSIP10/HSOP25
BA6222		8~18	2000	2200		FRSB	○		○		HSIP10
BA6229		8~23	2200	1200		FRSB			○		HSIP10
BA6285FS/FP		4.5~15	800/1500	1000		FRSB	○	○	○	○	SSOP-A16/HSOP24
BA6286/N		4.5~15	2000/1050	1000		FRSB	○	○	○	○	HSIP10/SIP10
BA6287F		4.5~15	650	1000		FRSB	○	○	○		SOP8
BA6288FS	3.5~15	0~15	800	1000		FRSB	○	○	○	○	SSOP-A16
BA6289F		3.5~15	650	600		FRSB	○	○	○		SOP8
BA6417F	3.5~15	0~15	650	1000		FRSB	○	○	○	○	SOP8
BA6418N		4.5~15	800	700		FRSB	○			○	SIP9
BA6419F		4.5~16	650	700		FRSB	○			○	SOP8
BA6885FP/FS		6.5~28	1500/ 800	1000		FRSB	○	○	○	○	HSOP24/SSOP-A16
BA6886/N		6.5~28	2000/1050	1000		FRSB	○	○	○	○	HSIP10/SIP10
BA6238A/AN		8~18	2200/1000	1600	For 2 motor	FRSB	○		○		HSIP10/SIP10
BA6239A/AN		8~18	2200/1000	1200		FRSB	○		○		HSIP10/SIP10
BA6246/N		8~18	2000/1000	1000		FRSB	○		○		HSIP10/SIP10
BA6247/N/FP-Y		8~18	2000/1000/1450	1000		FRB	○		○		HSIP10/SIP10/HSOP25
☆BA6249/N		8~18	2000/1000	1000		FRSB	○		○		HSIP10/SIP10
BA6259N		8~18	1000	1000		FRSB	○		○		SIP10

Note : 1.☆: Under development 2.F: Forward, R: Reverse, S: Stop, B: Brake 3.Power dissipation depends on mounting PCB. Evaluation is required (especially when SOP).

Electronic governor

Part No.	Supply voltage range (V)	Power dissipation (mW)	Control system	Current ratio	Application	Package
BA6220	3.5~16	1400 (on PCB)	Current proportion	20	6V to 12V electronic governor	DIP8
BA6240				40		DIP8
BA6227/F	2.0~3.6	500 350		35	3V electronic governor	DIP8 SOP8
BA6235/F	1.8~5.0	500 350		50		DIP8 SOP8

Note : 1.Power dissipation should be evaluated under actual mounting condition (especially when SOP package).

Single phase full wave motor driver (for fan motor)

Part No.	Supply voltage range (V)	Power dissipation (mW)	Output current (mA)	Lock detector	Lock detector output	Rotating automatic restart	Rotating output pulse	Output power Tr	Output spike killer diode	Thermal shut down circuit	Package
BA6424FS	6~28	850	1000	○	○	○	○	○	○	○	SSOP-A16

Note : 1.Power dissipation should be evaluated under actual mounting condition (especially when SOP package).

2 phase half-wave motor driver (for fan motor)

Part No.	Supply voltage range (V)	Power dissipation (mW)	Output current(mA)	Current source for hall element	Hall input hysteresis	Lock detector	Lock detector output	Rotating automatic restart	Rotating pulse output	Output block power Tr	Output spike killer diode	Thermal shut down circuit	Package
BA6402F	4~28	450	70	○	○	○							SOP8
BA6412	4~28	900	70	○	○	○							DIP8
BA6404/F	4~28	900/450	70	○	○	○		○					DIP8/SOP8
BA6406/F	4~28	900/550	70		○	○	○	○					DIP8/SOP8
BA6407/F	5~14.5	900/550	1200			○	○	○		○	○	○	DIP8/SOP8
BA6408FS	5~14.5	850	1200			○	○	○	○	○	○	○	SSOP-A16
BA6807	5~15	900	1200			○	○	○		○	○	○	DIP8
☆BA6808FS	5~15	850	1200			○	○	○	○	○	○	○	SSOP-A16
☆BA6816FS	5~15	850	1200			○	○	○	○	○	○	○	SSOP-A16

Note : 1.Power dissipation should be evaluated under actual mounting condition (especially when SOP package).

Motor driver

2 phase full wave motor driver (for cylinder)

Part No.	Supply voltage range (V)	Power dissipation (mW)	Maximum output current (mA)	Current drive system	Control input		TSD	Regulator for hall element	Rotating change input	Amplifier hys Amp.	Package
					Current	Voltage					
BA6411FP	9~18	1700	1200	Linear	○			○	○		HSOP28
BA6414FS/FP-Y	8~20	1000/1450	1200	Linear	○	○	○	○		2	SSOP-A24/HSOP25
BA6825FS	8~20	1200	1200	Linear	○		○	○			SSOP-A24
BA6826FS	8~20	1000	1200	Linear	○		○	○			SSOP-A20
New BA6827FS	8~20	1000	1200	Linear	○	○	○	○		2	SSOP-A24

Note : 1.Power dissipation should be evaluated under actual mounting condition (especially when SOP package).

3 phase full wave motor driver (for cylinder)

Part No.	Supply voltage range(V)		Power dissipation (mW)	Maximum output current (mA)	Current drive system	TSD	Current limit terminal	Switching regulator	Amp.	Hys amp.	Brake	Package
	Control block	Output block										
BA6450F	4.5~5.5		600	800	Switching	○		○	1	2	○	SOP24
BA6455FS	4.5~5.5		1000	800	Switching	○	○	○				SSOP-A24
BA6456FS	4.5~5.5		1000	1300	Switching	○	○	○	2			SSOP-A24
BA6458FP-Y	4.25~5.5		1450	1300	Pseudo linear	○	○		2	2		HSOP25
BA6459FS	4.5~5.5		1000	1300	Switching	○		○	2		○	SSOP-A24
BA6462FP	4.25~5.5		1500	1300	Pseudo linear	○	○					HSOP24
BA6463FP-Y	7.5~23		1450	1000	Pseudo linear	○	○					HSOP25

Note : 1.Power dissipation should be evaluated under actual mounting condition (especially when SOP package).

3 Phase full wave motor driver (for capstan)

Part No.	Supply voltage range(V)		Power dissipation (mW)	Maximum output current (mA)	Motor drive system	TSD	Rotation direction change	Reverse brake	Short brake	Regulator for hall element	Ripple cancel	Switching regulator	Series regulator	Package
	Control block	Output block												
BA6432S	4~6	3~23	2000	1200	Pseudo linear	○	○	○		○	○			SDIP-M24
BA6435S	4~6	3~23	2000	1500		○	○	○		○	○			SDIP-M24
BA6436P	4~6	3~23	2000	1500		○	○	○		○	○			SDIP-P24
BA6437S	4~6	3~23	2000	1500		○	○	○		○	○		○	SDIP-M24
BA6438S	4~6	3~23	2000	1700		○	○	○		○	○	○		SDIP-M24
BA6439P/S	4~6	3~23	1600/2000	1500		○	○	○			○		○	SOP-P24/SOP-M24
BA6440FP	4~6	3~20	1700	1500		○	○		○		○			HSOP28
BA6441FP	4~6	3~20	1700	1500		○	○		○		○			HSOP28
☆BA6870P	4~6	3~32	1600	1500		○	○	○			○		○	SDIP-P24

Note : 1.Power dissipation should be evaluated under actual mounting condition (especially when SOP package).

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3 phase full wave motordriver (for CD-ROM)

Part No.	Supply voltage range(V)		Power dissipation (mW)	Maximum output current (mA)	Motor drive system	TSD	Rotation direction change	Reverse brake	Feature	Package
	Control block	Output block								
New BA6840AFS	4.25~5.5	3~20	930	1300	Pseudo linear	○	○	○	Selection between forward/reverse by pin change and EC-ECR. Power save and current limit features.	SSOP-A20