

Motor driver

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	For 2 motors	FRSB	○	○	○	○	HSOP24/SSOP-A16
BA6886/N	6.5~28		2000/1050	1000		FRSB	○	○	○	○	HSIP10/SIP10
BA6238A/AN	8~18		2200/1000	1600		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
New BA6249/N	8~18		2000/1000	1000		FRSB	○		○		HSIP10/SIP10
BA6259N	8~18		1000	1000		FRSB	○		○		SIP10
New BA6846FV	2.7~9		500	500	For 2 motors	FRS	○	○			SSOP-B14
New BA6845FS	2.7~9		500	1000		FRS	○	○			SSOP-A16

Notes : 1.F : Forward, R : Reverse, S : Stop, B : Brake 2.Power dissipation should be evaluated under actual mounting condition (especially when using the SOP package).

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
BA6235/F	1.8~5.0	500 350		50	3V electronic governor	DIP8 SOP8

Note : 1.Power dissipation should be evaluated under actual mounting condition (especially when using the 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 using the 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
BA6407A/F	5~14.5	900/550	1200			○	○	○		○	○	○	DIP8/SOP8
BA6408FS	5~14.5	850	1200			○	○	○	○	○	○	○	SSOP-A16
BA6807	5~15	900	1200			○	○	○	○	○	○	○	DIP8
New BA6808FS	5~15	850	1200			○	○	○	○	○	○	○	SSOP-A16
☆BA6816FS	6~15	850	1200			○	○	○	○	○	○	○	SSOP-A16
New BA6811F	5~15	550	1000			○	○	○		○	○	○	SOP8
☆BA6813F	5~15	550	1000			○		○	○	○	○	○	SOP8
☆BA6812FS	5~15	800	1000			○	○	○	○	○	○	○	SSOP-A16
New BA6809F	2.7~6	550	500			○	○	○		○	○	○	SOP8
New BA6819F	2.7~6	550	500			○		○	○	○	○	○	SOP8
16 ☆BA6818FS	6~28	800	1200			○	○	○	○	○	○	○	SSOP-A16

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