

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
	Control block	Output block				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
BA6827FS	8~20		1000	1200	Linear	○	○	○	○		2	SSOP-A24
New BA6415AFS	8~20		1000	1200	Linear	○	○	○	○		2	SSOP-A24

Note : 1.Power dissipation should be evaluated under actual mounting condition (especially when using the 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										
BA6456FS	4.5~5.5	3.0~20	1000	1300	Switching	○	○	○	2			SSOP-A24
BA6458FP-Y	4.25~5.5	3.0~20	1450	1300	Pseudo linear	○	○		2	2		HSOP25
BA6459FS	4.5~5.5	4.5~20*1	1000	1300	Switching	○		○	2		○	SSOP-A24
BA6462FP	4.25~5.5	3.0~20	1500	1300	Pseudo linear	○	○					HSOP24
BA6463FP-Y	7.5~23		1450	1000	Pseudo linear	○	○					HSOP25

Notes : 1.Supply voltage should be equal to or more than the control supply voltage.

2.Power dissipation should be evaluated under actual mounting condition (especially when using the 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	FG Amp	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		○	○	○		○	○		○		SDIP-P24/SDIP-M24
BA6440FP	4~6	3~20	1700	1500		○	○			○	○				HSOP28
BA6441FP	4~6	3~20	1700	1500		○	○			○	○				HSOP28
BA6870S	4~6	3~32	3100	1500		○	○	○			○		○		SDIP-P24
BA6871AS	4~6	3~32	1700	1500		○	○	○			○		○	○	SDIP32
New BA6444FP	4~6	3~32	1700	1500		○	○	○			○		○	○	HSOP28

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

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								
BA6840AFS	4.25~5.5	3~20	930	1300	Pseudo linear	○	○	○	For forward/reverse switching. Select from pin change or EC-ECR. Power save and current limit functions.	SSOP-A20

FG servo

Part No.	Supply voltage range (V)	System	Speed set	Built-in inverter	FV conversion polarity	Feature	Package
BA6301/F	4.5~13.0	FG	RC		+/-	F/V conversion is settable by time constant of external resistor and capacitor. Shaped FG waveform out.put. The difference between BA6301 and BA6321 is in F/V frequency.	DIP16/SOP16
BA6321	4.5~13.0	FG	RC		+/-		DIP16
BA6302A/AF	4.5~13.0	FG	RC	○	+		DIP16/SOP16
BA6303/F	4.5~13.0	FG	RC	○	-		DIP16/SOP16
BA860	9.0~13.0	Motor speed phase control IC				With speed select pin	DIP16

FG/CTL amplifier

Part No.	Supply voltage range (V)	Channel	Feature	Package
BA6305/F	4.5~13.0	1ch	Built-in high speed response PRE amplifier and hysteresis amplifier which outputs rectangular CTL signal.	SIP8/SOP8
BA6405F	4.5~6.0	2ch	Built-in high open gain FG, CTL amplifier, schmitt trigger amplifier and comparator.	SOP14