

● For cylinder motor

Part No.	Supply voltage (V)		Power dissipation (mW)	Maximum output current (mA)	Current drive system	TSD	Current limit terminal	Amp.	Hys amp.	Brake	Package
	Control block	Output block									
BA6458FP-Y	4.25~5.5	3.0~20	1450	1300	Pseudo linear	○	○	2	2		HSOP25
BA6462FP			1500	1300	Pseudo linear	○	○				HSOP24
BA6463FP-Y	7.5~20		1450	1000	Pseudo linear	○	○				HSOP25
BA6464FP-Y	7.5~20		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 operating conditions (especially when using the SOP package).

● For capstan motor

Part No.	Supply voltage (V)		Power dissipation (mW)	Maximum output current (mA)	Motor drive system	TSD	Rotating switch input	Reverse brake	Short brake	Power supply for Hall element	Ripple cancel	Switching regulator	Series regulator	FG Amp	Hys Amp	Package
	Control block	Output block														
BA6438S	4~6	3~23	2000	1700	Pseudo linear	○	○	○		○	○					SDIP-M24
BA6444FP	4~6	3~32	1700	1500		○	○		○		○			○	○	HSOP28
BA6446FP/FM	4~6	3~32	1700/2200	1500		○	○		○		○			○	○	HSOP28/HSOP-M28
BA6860FS	3~6	3~10	1000	1000		○	○		○		○			○	○	SSOP-A32
BA6862FS	3~6	3~10	1000	1000		○	○		○		○			○	○	SSOP-A32
BA6870S	4~6	3~32	3100	1500		○	○	○			○			○		SDIP-P24
BA6871BS	4~6	3~32	1700	1500		○	○	○			○			○	○	SDIP32

Note : Power dissipation should be evaluated under actual operating conditions (especially when using the SOP package).

Stepping motor driver

Part No.	Supply voltage (V)	Power dissipation (mW)	Maximum output current (mA)	Output mode	TSD	Stand-by mode	Low saturation voltage output	Package
<b>New</b> BA6845FS	2.7~9.0	800	1000	FRS	○	○	○	SSOP-A16
<b>New</b> BA6846FS/FV	2.7~9.0	500/800	500	FRS	○	○	○	SSOP-A14/SSOP-B14

FG servo

Part No.	Supply voltage (V)	System	Set speed	Built-in inverter	FV conversion polarity	Features	Package
BA6301/F	4.5~13.0	FG	RC		+/-	F/V conversion is set by time constant of external resistor and capacitor. Shaped FG waveform output. The difference between BA6301 and BA6321 is in F/V frequency.	DIP16/SOP16
BA6321/FS	4.5~13.0	FG	RC		+/-		DIP16/SSOP-A16
BA6302A/AF	4.5~13.0	FG	RC	○	+		DIP16/SOP16
BA6303/F	4.5~13.0	FG	RC	○	-		DIP16/SOP16

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