



电机/执行机构驱动器

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DC有刷电机驱动器

H桥驱动器 7V耐压

Part No.	ch	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage		Output ON Resistance(Ω Typ.)	Output Modes	Package
				H Level(V)	L Level(V)			
BD6210F	1	3.0 to 5.5	0.5	2.0 or more	0.8 or less	1.0	Forward/Reverse/Standby(Idler)/Brake	SOP8
BD6210HFP			HRP7					
BD6211F			1.0					SOP8
BD6211HFP			1.0					HRP7
BD6212FP			2.0					HSOP25
BD6212HFP			2.0					HRP7

H桥驱动器 18V耐压

BD6220F	1	6.0 to 15.0	0.5	2.0 or more	0.8 or less	1.5	Forward/Reverse/Standby(Idler)/Brake	SOP8
BD6221F			1.0					SOP8
BD6222FP			2.0					HSOP25
BD6222HFP			2.0					HRP7
BD6225FP	2		0.5			1.5		HSOP25
BD6226FP			1.0			1.5		HSOP25

H桥驱动器 36V耐压

BD6230F	1	6.0 to 32.0	0.5	2.0 or more	0.8 or less	1.5	Forward/Reverse/Standby(Idler)/Brake	SOP8
BD6231F			1.0					SOP8
BD6231HFP			2.0					HRP7
BD6232FP			2.0					HSOP25
BD6232HFP			2.0					HRP7
BD6236FP			1.0					HSOP25
BD6236FM	2		2.0			1.5		HSOP-M28
BD6237FM			2.0			1.0		HSOP-M28
BD62110AEFJ			1			8.0 to 28.0		1.0

H桥驱动器 40V/60V耐压(支持车载)

Part No.	Maximum Voltage (V)	Supply Voltage (V)	Output Current (A)	ch	Output ON Resistance (upper + lower)(Ω Typ.)	Output Modes	Operating Temperature (°C)	Package	Automotive Grade	AEC-Q100
BD16933EFV-C	60	7.0 to 36.0	1	1.5	1.81	Available to select High, Low or Hi-Z Output by each Output terminal.	-40 to +125	HTSSOP-B20	YES	YES
BD16922EFV-M	60	8.0 to 36.0	1	2	2.25	Forward / Reverse / Standby / Brake	-40 to +110	HTSSOP-B24	YES	YES
BD16936EFV-M	60	8.0 to 36.0	1	3	2.1	Available to select High, Low or Hi-Z Output by each Output terminal.	-40 to +110	HTSSOP-B28	YES	YES
New BD16950EFV-C	40	5.5 to 40	-	1	-	Available to select High, Low or Hi-Z Output by each Output terminal.	-40 to +125	HTSSOP-B24	YES	YES
New BD16938EFV-C	40	6.3 to 32	-	4	1.4	Available to select High, Low or Hi-Z Output by each Output terminal.	-40 to +125	HTSSOP-B28	YES	YES

H桥驱动器 大电流系列

Part No.	ch	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage		Output ON Resistance(Ω Typ.)	Output Modes	Package
				H Level(V)	L Level(V)			
BD62222HFP	1	6.0 to 27.0	2.5	2.0 or more	0.8 or less	1.0	Forward/Reverse/Standby(Idler)/Brake	HRP7
BD62321HFP		6.0 to 32.0	3.0					

H桥驱动器 高速驱动系列

BD65491FV	1	1.8 to 16.0	1.2 peak4.0	1.45 or more	0.5 or less	0.35	Forward/Reverse/Standby(Idler)/Brake	SSOP-B16
BD65492MUV	2	1.8 to 16.0	1.0	1.45 or more	0.5 or less	0.9	Forward/Reverse/Standby(Idler)/Brake	VQFN024V4040
BD65494MUV	1	2.0 to 9.0	1.0 peak2.5	2.0 or more	0.7 or less	0.55	Forward/Reverse/Standby(Idler)/Brake	VQFN016V3030
BD65496MUV	1	1.8 to 16.0	1.2 peak5.0	1.45 or more	0.5 or less	0.35	Forward/Reverse/Standby(Idler)/Brake	VQFN024V4040
BD6376GUL	1	2.0 to 9.0	1.0	2.0 or more	0.7 or less	0.45	Forward/Reverse/Standby(Idler)/Brake	VCSP50L1
BD6736FV	1	2.0 to 9.0	1.0 peak3.2	2.0 or more	0.7 or less	0.35	Forward/Reverse/Standby(Idler)/Brake	SSOP-B20
BD6735FV	2	2.0 to 8.0	1.0	2.0 or more	0.7 or less	1.0	Forward/Reverse/Standby(Idler)/Brake	SSOP-B20
New BD63565EFV	2	1.8 to 16.0	1.0	1.45 or more	0.5 or less	0.9	Forward/Reverse/Standby(Idler)/Brake	HTSSOP-B20
New BD63573NUV	1	2.0 to 16.0	1.2 peak3.2	1.45 or more	0.5 or less	0.38	Forward/Reverse/Standby(Idler)/Brake	VSON010V3030

输出1.0A 一个电机用可反转电机驱动器

Part No.	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage		Output Saturation Voltage (V Typ.)	Output Modes	Package
			H Level(V)	L Level(V)			
BA6287F	4.5 to 15	1.0	2.0 or more	0.8 or less	1.0 (I _o =0.2A)	Forward/Reverse/Idler/Brake	SOP8
BA6285FS	4.5 to 15	1.0	2.0 or more	0.8 or less	1.0 (I _o =0.2A)	Forward/Reverse/Idler/Brake	SSOP-A16
BA6285AFP-Y	4.5 to 24	1.0	2.0 or more	0.8 or less	1.0 (I _o =0.2A)	Forward/Reverse/Idler/Brake	HSOP25
BA6920FP-Y	6.5 to 34	1.0	3.0 or more	0.8 or less	2.2 (I _o =0.02A)	Forward/Reverse/Idler/Brake	HSOP25

- ▶ DC有刷电机驱动器 ▶▶ 输出2.0A以上 一个电机用可反转电机驱动器
- ▶▶ 输出1.0A以上 两个电机用可反转电机驱动器
- ▶ 步进电机驱动器 ▶▶ 高性能、高可靠性36V耐压系列 步进电机驱动器

输出2.0A以上 一个电机用可反转电机驱动器							
Part No.	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage		Output Saturation Voltage (V Typ.)	Output Modes	Package
			H Level(V)	L Level(V)			
BA6219BFP-Y	8 to 18	2.2	3.0 or more	1.0 or less	2.4 (I _o =0.4A)	Forward/Reverse/Idle/Brake	HSOP25

输出1.0A以上 两个电机用可反转电机驱动器							
Part No.	Supply Voltage (V)	Output Current (A)	Input Threshold Voltage	Output Saturation Voltage (V Typ.)	Output Modes	Package	
BA6247FP-Y	8 to 18	1.0	3.5 or more	1.0 or less	2.4 (I _o =0.5A)	Forward/Reverse/Brake	HSOP25

步进电机驱动器

高性能、高可靠性36V耐压系列 步进电机驱动器 用于PPC, MFP, 工业设备等

BD63730EFV	CLK PARA I _{omax} 3.0A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO 4kV Short Protection Protection
BD6387EFV	CLK PARA I _{omax} 2.0A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO 6kV Short Protection Protection
BD6385EFV	CLK PARA I _{omax} 1.5A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO 6kV Short Protection Protection
BD6383EFV	CLK PARA I _{omax} 1.0A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO 6kV Short Protection Protection
BD6389FM	CLK PARA I _{omax} 2.2A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO 6kV Short Protection Protection
BD68720EFV	PARA I _{omax} 2.0A STEP	Constant Current PWM DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection
BD68715EFV	PARA I _{omax} 1.5A STEP	Constant Current PWM DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection
BD68710EFV	PARA I _{omax} 1.0A STEP	Constant Current PWM DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection
BD63725BEFV	CLK PARA I _{omax} 2.5A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection
BD63720AEFV	CLK I _{omax} 2.0A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection
BD63715AEFV	CLK I _{omax} 1.5A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection
BD63710AEFV	CLK I _{omax} 1.0A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection
BD63910MUV	CLK PARA I _{omax} 1.0A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection
BD63920MUV	CLK PARA I _{omax} 2.0A STEP	Constant Current PWM FW/RW DECAY SW Thin PKG Small Size Protection FUNCTION Control EPIN ¹⁾ ONE POWER T.S.D. O.C.P. UV OVLO Short Protection Protection

* 1 BD6387EFV, BD6385EFV, BD6383EFV, 和BD6389FM功能兼容。 * 2 BD6387EFV, BD6385EFV, 和BD6383EFV引脚兼容。
 * 3 BD6387EFV, BD63874EFV, 和BD63872EFV功能兼容。 * 4 BD63876EFV, BD63874EFV, 和BD63872EFV引脚兼容。
 * 5 BD63720AEFV, BD63715AEFV, 和BD63710AEFV功能兼容。 * 6 BD63720AEFV, BD63715AEFV, 和BD63710AEFV引脚兼容。

Part No.	Supply Voltage(V)	Output Current (A)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	Package
	V _{cc}			High Level Voltage(V)	Low Level Voltage(V)		
BD63730EFV	19 to 28	3.0	2.0	2.0	0.8	0.4	HTSSOP-B54
BD6387EFV	10 to 28	2.0	4.5	2.0	0.8	0.8	HTSSOP-B40
BD6385EFV	10 to 28	1.5	4.5	2.0	0.8	1.0	HTSSOP-B40
BD6383EFV	10 to 28	1.0	4.5	2.0	0.8	1.5	HTSSOP-B40
BD6389FM	10 to 28	2.2	4.5	2.0	0.8	0.7	HSOP-M36
BD68720EFV	19 to 28	2.0	2.0	2.0	0.8	0.65	HTSSOP-B28
BD68715EFV	19 to 28	1.5	2.0	2.0	0.8	0.95	HTSSOP-B28
BD68710EFV	19 to 28	1.0	2.0	2.0	0.8	1.2	HTSSOP-B28
BD63725BEFV	8 to 28	2.5	2.0	2.0	0.8	0.35	HTSSOP-B28
BD63720AEFV	19 to 28	2.0	2.0	2.0	0.8	0.65	HTSSOP-B28
BD63715AEFV	19 to 28	1.5	2.0	2.0	0.8	0.95	HTSSOP-B28
BD63710AEFV	19 to 28	1.0	2.0	2.0	0.8	1.2	HTSSOP-B28
New BD63910MUV	8 to 28	1.0	2.5	2.0	0.8	1.3	VQFN028V5050
New BD63920MUV	8 to 28	2.0	2.5	2.0	0.8	0.49	VQFN028V5050

New
New

图标说明	CLK 控制信号输入 CLK-IN型	PARA 控制信号输入 PARALLEL-IN型	I _{omax} 1.0A	I _{omax} 1.5A	I _{omax} 2.0A	I _{omax} 2.2A	I _{omax} 2.5A	I _{omax} 3.0A	最大输出电流	STEP 恒流	FW/RW 可以切换正转和反转	DECAY SW SLOW/FAST/MIX 衰减转换功能
	Thin PKG 薄型封装	Small Power Pak 小尺寸功率封装	FUNCTION Control 功能兼容	EPIN 引脚与其他厂家兼容轻松替换	ONE POWER 内置稳压器实现单电源系统	T.S.D. 内置温度保护电路	O.C.P. 内置过电流保护电路	UV LO 内置低电压保护电路				
	OVLO 内置过电压保护电路	4kV 6kV 静电耐压	Short Protection 相邻引脚短路保护	IC Inverse 保护								

- ▶ 步进电机驱动器 ▶ 标准36V耐压系列 步进电机驱动器
- ▶ 支持 μ -step的36V耐压系列 步进电机驱动器
- ▶ 低电压系列 步进电机驱动器

标准36V耐压系列 步进电机驱动器

BD6395FP	PARAMIX	1.5A	1/2STEP	Current PWM	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2	
BD6393FP	PARAMIX	1.2A	1/2STEP	Current PWM	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2	
BD68620EFV	PARAMIX	2.0A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD68610EFV	PARAMIX	1.0A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD6290EFV	PARAMIX	0.8A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2
BD63960EFV	PARAMIX	1.5A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2
BD63940EFV	PARAMIX	1.2A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2
BD63620AEFV	CLKMIX	2.0A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63610AEFV	CLKMIX	1.0A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63801EFV	CLKMIX	0.8A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2

*1 BD6395FP, BD6393FP, 和BD6290EFV功能兼容。 *2 BD6395FP和BD6393FP引脚兼容。
*3 BD63620AEFV, BD63610AEFV, 和BD63801EFV功能兼容。 *4 BD63960EFV和BD63940EFV引脚兼容。

Part No.	Supply Voltage(V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	Package
	Vcc	Vm			High Level Voltage(V)	Low Level Voltage(V)		
BD6395FP	16 to 28		1.5	3.0	2.0	0.8	1.2	HSOP25
BD6393FP	16 to 28		1.2	3.0	2.0	0.8	1.5	HSOP25
BD68620EFV	19 to 28		2.0	1.3	2.0	0.8	0.95	HTSSOP-B24
BD68610EFV	19 to 28		1.0	1.3	2.0	0.8	1.8	HTSSOP-B20
BD6290EFV	19 to 28		0.8	3.0	2.0	0.8	2.8	HTSSOP-B24
BD63960EFV	19 to 28		1.5	2.7	2.0	0.8	1.1	HTSSOP-B24
BD63940EFV	19 to 28		1.2	2.7	2.0	0.8	1.4	HTSSOP-B24
BD63620AEFV	19 to 28		2.0	1.3	2.0	0.8	0.95	HTSSOP-B24
BD63610AEFV	19 to 28		1.0	1.3	2.0	0.8	1.8	HTSSOP-B20
BD63801EFV	19 to 28		0.8	2.7	2.0	0.8	2.8	HTSSOP-B24

支持 μ -step的36V耐压系列 步进电机驱动器

BD63860EFV	CLKMIX	2.5A	1/2STEP	Current PWM	FWRW	DECAY SW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2
BD63847EFV	CLKMIX	2.0A	1/2STEP	Current PWM	FWRW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63843EFV	CLKMIX	1.0A	1/2STEP	Current PWM	FWRW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63510AEFV	CLKMIX	1.0A	1/2STEP	Current PWM	FWRW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63511EFV	CLKMIX	1.0A	1/2STEP	Current PWM	FWRW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63520AEFV	CLKMIX	2.0A	1/2STEP	Current PWM	FWRW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63521EFV	CLKMIX	2.0A	1/2STEP	Current PWM	FWRW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63524AEFV	CLKMIX	2.5A	1/2STEP	Current PWM	FWRW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	
BD63525AEFV	CLKMIX	2.5A	1/2STEP	Current PWM	FWRW	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	FUNCTION	1	2	

*1 BD63847EFV和BD63843EFV功能兼容。 *2 BD63510AEFV, BD63520AEFV和BD63525AEFV功能兼容。
*3 BD63511AEFV和BD63521AEFV功能兼容。

Part No.	Supply Voltage(V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	Package
	Vcc	Vm			High Level Voltage(V)	Low Level Voltage(V)		
BD63860EFV	16 to 28		2.5	4.0	2.0	0.8	0.8	HTSSOP-B28
BD63847EFV	19 to 28		2.0	2.5	2.0	0.8	0.85	HTSSOP-B28
BD63843EFV	19 to 28		1.0	2.5	2.0	0.8	1.9	HTSSOP-B28
BD63510AEFV	8 to 28		1.0	2.5	2.0	0.8	1.75	HTSSOP-B28
BD63511EFV	8 to 28		1.0	2.5	2.0	0.8	1.75	HTSSOP-B28
BD63520AEFV	8 to 28		2.0	2.5	2.0	0.8	0.65	HTSSOP-B28
BD63521EFV	8 to 28		2.0	2.5	2.0	0.8	0.65	HTSSOP-B28
BD63524AEFV	8 to 28		2.5	2.5	2.0	0.8	0.35	HTSSOP-B28
BD63525AEFV	8 to 28		2.5	2.5	2.0	0.8	0.35	HTSSOP-B28

低电压系列 步进电机驱动器 用于微型和便携式打印机

BD6382EFV	PARAMIX	0.8A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2	40°C	185°C
BD6381EFV	PARAMIX	1.2A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2		
BD6380EFV	PARAMIX	0.8A	1/2STEP	Current PWM	Thin PKG	Small Step	ONB POWER	SSS T.S.D.	O.C.P.	UV	OVLO	4kV	FUNCTION	1	2		

Part No.	Supply Voltage(V)		Output Current (A)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	Package
	Vcc	Vm			High Level Voltage(V)	Low Level Voltage(V)		
BD6382EFV	3.0 to 5.5	5.5 to 13.5	0.8	1.6	2.0	0.8	1.2	HTSSOP-B24
BD6381EFV	2.5 to 5.5	6.0 to 13.5	1.2	1.6	2.0	0.8	1.0	HTSSOP-B24
BD6380EFV	2.5 to 5.5	4.0 to 13.5	0.8	1.6	2.0	0.8	1.2	HTSSOP-B24

图标说明

- CLKMIX: 控制信号输入 CLK-IN型
- PARAMIX: 控制信号输入 PARALLEL-IN型
- Iomax 0.8A, 1.0A, 1.2A, 1.3A, 1.5A, 2.0A, 2.5A: 最大输出电流
- 1/2STEP, 1/4STEP, 1/8STEP, 1/16STEP: STEP
- 36V MAX, 60V MAX: 耐压
- SERVO: 内置伺服电路
- 120° PWM, 120° PWM, 180° PWM: 输出通断电方式
- ONB POWER: 内置稳压电路
- SSS T.S.D.: 内置温度保护电路
- O.C.P.: 内置过电流保护电路
- Thin PKG: 薄型封装
- FWRW: 可以切换正转和反转
- Small Step: 小尺寸功率封装
- DECAY SW: 衰减转换功能
- UV: 内置低电压保护电路

- ▶ 步进电机驱动器 ▶ 45V耐压系列 步进电机驱动器
- ▶ 三相无刷电机驱动器 ▶ 带速度控制的三相无刷电机预驱动器
- ▶ 带速度控制的三相无刷电机驱动器
- ▶ 三相无刷电机预驱动器
- ▶ 三相无刷电机驱动器

45V耐压系列 步进电机驱动器

BD6425EFV

BD6423EFV

BD6422EFV

Part No.	Supply Voltage(V)	Output Current (A)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	Package
	V _{CC}			High Level Voltage(V)	Low Level Voltage(V)		
BD6425EFV	19 to 42	1.5	2.0	2.0	0.8	1.1	HTSSOP-B28
BD6423EFV	19 to 42	1.0	2.0	2.0	0.8	2.0	HTSSOP-B24
BD6422EFV	19 to 42	1.0	2.0	2.0	0.8	2.0	HTSSOP-B24

三相无刷电机驱动器

带速度控制的三相无刷电机预驱动器

BD6762FV

Part No.	Max. Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage		External FET Drive Voltage		PWM Frequency (kHz)	Package
					H Level(V)	L Level(V)	Upper(V)	Lower(V)		
BD6762FV	36	16.0 to 28.0	-25 to +75	17.0	2.2	0.8	V _{CC} + 6.8	10.8	16	SSOP-B40

带速度控制的三相无刷电机驱动器

BD67929EFV

Part No.	Max. Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage		External FET Drive Voltage		PWM Frequency (kHz)	Package
					H Level(V)	L Level(V)	Upper(V)	Lower(V)		
BD67929EFV	36	19 to 28	-25 to +85	4.0	3.0	1.5	-	-	200	HTSSOP-B28

三相无刷电机预驱动器

BD6761FS

BD63001AMUV

BD63002AMUV

BD16805FV-M

Part No.	Max. Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage		External FET Drive Voltage		PWM Frequency (kHz)	Package	Automotive Grade AEC-Q100
					H Level(V)	L Level(V)	Upper(V)	Lower(V)			
BD6761FS	36	16.0 to 28.0	-35 to +75	15.0	2.2	0.8	V _{CC} + 6	10.5	15	SSOP-A32	
BD63001AMUV	33	4.5 to 5.5, 6.0 to 28	-40 to +85	2.5	2.0	0.8	V _{CC} -0.2	9.5	20	VQFN024V4040	
BD63002AMUV	30	8.0 to 26.4	-40 to +85	2.5	2.0	0.8	V _{CC} + 7	5	External IN	VQFN028V5050	
Part No.	Max. Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage		External FET Drive Voltage		PWM Frequency (kHz)	Package	Automotive Grade AEC-Q100
BD16805FV-M	60	8 to 18	-40 to +110	15.2	H Level(V)	L Level(V)	Upper(V)	Lower(V)			
BD16805FV-M	60	8 to 18	-40 to +110	15.2	3.0	1.0	2 × V _{CC} -0.5	8	25	SSOP-B40	YES

三相无刷电机驱动器

BD63005AMUV

BD63006MUV

BD63007MUV

BD63035EFV-M

Part No.	Max. Voltage (V)	Supply Voltage (V)	Output Current (A)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	Package	
						H Level(V)	L Level(V)			
BD63005AMUV	33	10 to 28	2.0	-25 to +85	4.4	2	0.8	0.17	VQFN040V6060	
BD63006MUV	33	8 to 28	1.5	-40 to +85	4.4	-	-	0.8	VQFN024V4040	
BD63007MUV	33	8 to 28	3.0	-25 to +85	4.4	2	0.8	0.17	VQFN040V6060	
Part No.	Max. Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	PWM Frequency (kHz)	Package	Automotive Grade AEC-Q100
BD63035EFV-M	36	8 to 28	-40 to +105	8	H Level(V)	L Level(V)	0.6			
BD63035EFV-M	36	8 to 28	-40 to +105	8	2	0.8	0.6	22.7	HTSSOP-B20	YES

New

- 内置过电压保护电路
- 引脚与其他厂家兼容轻松替换
- 静电耐压
- 待机功耗 0µA
- 相邻引脚短路保护
- 工作温度范围
- 外置输出端FET 上侧:Nch/下侧:Nch
- 外置输出端FET 上侧:Pch/下侧:Nch
- DMOS 输出
- 内置FG放大器
- 内置磁滞放大器
- 支持高速运转
- 内置短路制动
- 相位时钟检测功能
- 内置电机锁定保护电路
- 内置过电压保护电路
- 内置输出低电压保护电路

A 电机 / 执行机构驱动器

风扇电机驱动器

5V单相全波风扇电机驱动器

BH6766FVM

BD6965NUX

BD6966NUX

BU6909AGFT

BU69090NUX


Part No.	Supply Voltage (V)	I _o Max. (mA)	Power Tr.	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Lock Time Ratio	Package
BH6766FVM	2.0 to 6.0	630	CMOS	Upper and Lower 0.6(I _o =250mA)	-	1.3	-	MSOP8
BD6965NUX	2.0 to 5.5	800	CMOS	Upper and Lower 0.4(I _o =250mA)	Direct PWM	-	1 : 10	VSON008X2030
BD6966NUX	1.8 to 5.5	1,000	CMOS	Upper and Lower 0.4(I _o =300mA)	Direct PWM	1.0	1 : 10	VSON1010X3030
BU6909AGFT	1.8 to 5.5	800	CMOS	Upper and Lower 0.16(I _o =200mA)	Direct PWM	Include Hall sensor	1 : 10	TSSOF6
New BU69090NUX	1.8 to 5.5	800	CMOS	Upper and Lower 0.16(I _o =200mA)	Direct PWM	Include Hall sensor	1 : 10	VSON008X2030

标准单相全波风扇电机驱动器

BD6981FVM

BD6982FVM

BD6967FVM

BD6968FVM

BD6962FVM

BD6964FVM

BD6961F

BD6964F

BD69830FV


Part No.	Supply Voltage (V)	I _o Max. (mA)	Power Tr.	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Lock Time Ratio	Package
BD6981FVM	2.8 to 16.0	800	DMOS	Upper and Lower 0.45(I _o =200mA)	-	1.2	1 : 6	MSOP8
BD6982FVM	2.8 to 16.0	800	DMOS	Upper and Lower 0.45(I _o =200mA)	-	1.2	1 : 6	MSOP8
BD6967FVM	3.3 to 14.0	800	DMOS	Upper and Lower 0.45(I _o =200mA)	DC/Direct PWM	1.2	1 : 10	MSOP10
BD6968FVM	3.3 to 14.0	800	DMOS	Upper and Lower 0.45(I _o =200mA)	DC/Direct PWM	1.2	1 : 10	MSOP10
BD6962FVM	3.3 to 14.0	800	DMOS	Upper and Lower 0.4(I _o =300mA)	Direct PWM	-	1 : 10	MSOP8
BD6964FVM	3.3 to 14.0	800	DMOS	Upper and Lower 0.4(I _o =300mA)	Direct PWM	-	1 : 10	MSOP8
BD6961F	3.3 to 14.0	1,000	DMOS	Upper and Lower 0.4(I _o =300mA)	Direct PWM	-	1 : 10	SOP8
BD6964F	3.3 to 14.0	1,000	DMOS	Upper and Lower 0.4(I _o =300mA)	Direct PWM	-	1 : 10	SOP8
BD69830FV	6.0 to 28.0	900	DMOS	Upper and Lower 0.6(I _o =200mA)	Direct PWM	1.2	1 : 30	SSOP-B14

A 电机/执行机构驱动器

图标说明	5V电源电压兼容	12V电源电压兼容	24V电源电压兼容	250mA CLASS	300mA CLASS	350mA CLASS	400mA CLASS	450mA CLASS	800mA CLASS	稳定旋转时能够流向电机的电流估计值	内置霍尔元件	小型表面安装封装
	RPM脉冲信号输出	有助于软开关、静音	内置霍尔元件用电源电压	可控制转动速度	不需要电机锁定检测所需的外部电容器	锁定警报信号输出						

高性能单相全波风扇电机驱动器

BD6971FV	12V MIN, 350 CLASS, Small Pkg	FG, S/W, HALL, LOCK, ALARM, MIN rpm, T.S.D., I/O LIMIT
BD6994FV	12V MIN, 350 CLASS, Small Pkg	FG, S/W, HALL, LOCK, ALARM, MIN rpm, T.S.D.
BD6995FV	12V MIN, 400 CLASS, Small Pkg	FG, S/W, HALL, LOCK, ALARM, MIN rpm, T.S.D., I/O LIMIT
BD61243FV	12V MIN, 450 CLASS, Small Pkg	FG, S/W, HALL, LOCK, ALARM, MIN rpm, T.S.D., I/O LIMIT
BD69730FV	12V MIN, PRE DRIVER, Small Pkg	FG, S/W, HALL, LOCK, ALARM, MIN rpm, T.S.D., I/O LIMIT, SOFT START
BD69740FV	12V MIN, PRE DRIVER, Small Pkg	SOFT S/W, HALL, LOCK, ALARM, MIN rpm, T.S.D., I/O LIMIT, SOFT START
BD61245EFV	12V MIN, 800 CLASS, Small Pkg	FG, S/W, HALL, LOCK, ALARM, MIN rpm, T.S.D., I/O LIMIT, SOFT START
BD61250MUV	12V MIN, PRE DRIVER, Small Pkg	FG, S/W, HALL, LOCK, ALARM, MIN rpm, T.S.D., I/O LIMIT, SOFT START

Part No.	Supply Voltage (V)	Io Max. (mA)	Power Transistor	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Lock Time Ratio	Package
BD6971FV	3.5 to 17.0	1,000	DMOS	Upper and Lower 0.6(Io=200mA)	DC/Direct PWM	1.3	1 : 10	SSOP-B14
BD6994FV	4.5 to 17.0	1,200	DMOS	Upper and Lower 0.6(Io=400mA)	DC/Direct PWM	1.25	1 : 10	SSOP-B16
BD6995FV	4.3 to 17.0	1,200	DMOS	Upper and Lower 0.6(Io=400mA)	DC	1.25	1 : 10	SSOP-B16
BD61243FV	5.5 to 16.0	1,200	DMOS	Upper and Lower 0.4(Io=400mA)	DC/Direct PWM	1.25	1 : 10	SSOP-B14
BD69730FV	4.3 to 17.0	10	Pre-Driver	-	DC/Direct PWM	1.26	1 : 20	SSOP-B16
BD69740FV	4.3 to 17.0	10	Pre-Driver	-	DC/Direct PWM	1.26	1 : 20	SSOP-B16
New BD61245EFV	4.0 to 16.0	1,800	DMOS	Upper and Lower 0.2(Io=400mA)	DC/Direct PWM	-	1 : 10	HTSSOP-B16
New BD61250MUV	4.5 to 36.0	10	Pre-Driver	-	DC/Direct PWM	-	1 : 20	VQFN024V4040

A 电机 / 执行机构驱动器

双相半波风扇电机驱动器

BD6701F	24V MIN, 400 CLASS, Small Pkg	FG, LOCK, ALARM, T.S.D., I/O LIMIT
BA6406F	24V MIN, PRE DRIVER, Small Pkg	LOCK, ALARM
BA6506F	24V MIN, PRE DRIVER, Small Pkg	FG, LOCK
BA6901F	24V MIN, PRE DRIVER, Small Pkg	FG, LOCK, ALARM, T.S.D., I/O LIMIT

Part No.	Supply Voltage (V)	Io Max. (mA)	Power Transistor	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Zener Diode Clamp Voltage (V)	Output Clamp Voltage (V)	Lock Time Ratio	Package
BD6701F	6.0 to 28.0	800	DMOS	0.3 (Io=200mA)	-	-	-	54	1 : 10	SOP8
BA6406F	4.0 to 28.0	70	Pre-Driver	-	-	-	-	-	1 : 4.5	SOP8
BA6506F	4.0 to 28.0	70	Pre-Driver	-	-	-	-	-	1 : 4.5	SOP8
BA6901F	3.5 to 28.0	70	Pre-Driver	-	PWM	-	-	-	1 : 10	SOP16

三相全波风扇电机驱动器

BH67173NUX	5V MIN, 400 CLASS, Small Pkg	SENSOR LESS DRIVE, PWM 150, FG, T.S.D., LOCK, ALARM, I/O LIMIT
BD6326NUX	5V MIN, 400 CLASS, Small Pkg	SENSOR LESS DRIVE, PWM 180, FG, T.S.D., LOCK, ALARM, I/O LIMIT
BD63242EFV	12V MIN, 400 CLASS, Small Pkg	SENSOR LESS DRIVE, PWM 180, FG, T.S.D., LOCK, ALARM, I/O LIMIT, MIN rpm
BD63441AFU	12V MIN, PRE DRIVER, Small Pkg	SENSOR LESS DRIVE, PWM 150, FG, T.S.D., LOCK, ALARM, I/O LIMIT, SOFT START, MIN rpm
BD63251MUV	12V MIN, PRE DRIVER, Small Pkg	SENSOR LESS DRIVE, PWM 180, FG, T.S.D., LOCK, ALARM, I/O LIMIT, SOFT START, MIN rpm

Part No.	Supply Voltage (V)	Io Max. (mA)	Power Transistor	Output Saturation Voltage (V)	Speed Control	Hall Bias Voltage (V)	Lock Time Ratio	Package
BH67173NUX	2.2 to 5.5	700	CMOS	Upper and Lower 0.25(Io=250mA)	Direct PWM	-	1 : 5	VSON010X3030
BD6326NUX	2.2 to 5.5	700	CMOS	Upper and Lower 0.25(Io=250mA)	Direct PWM	-	1 : 5	VSON010X3030
New BD63242EFV	5.0 to 16.0	1,000	DMOS	Upper and Lower 0.3(Io=300mA)	DC/Direct PWM	-	1 : 5*	HTSSOP-B16
BD63441AFU	5.5 to 16.0	10	Pre-Drive	-	DC/Direct PWM	-	1 : 10	SSOP-C20
BD63251MUV	5.5 to 15.0	10	Pre-Drive	-	DC/Direct PWM	1.5	1 : 10	VQFN024V4040

* SOSC terminal connect capacitor is 80pF

三相无刷风扇电机驱动器 家电用

BM6202FS		
BM6203FS		
BM6204FS		
BM6205FS		
BM6206FS		
BM6207FS		
BM6208FS		
BM6209FS		

Part No.	Control	Output Device	Voltage Ratings (V)	Output Current (A)	Output On Resistance(Ω)	Diode Forward Voltage(V)	Package
BM6202FS	6 inputs	PrestoMOS	600	1.5	2.7	1.1	SSOP-A54_23
BM6203FS	6 inputs	PrestoMOS	600	2.5	1.7	1.1	SSOP-A54_23
BM6204FS	120°	PrestoMOS	600	1.5	2.7	1.1	SSOP-A54_36
BM6205FS	120°	PrestoMOS	600	2.5	1.7	1.1	SSOP-A54_36
BM6206FS	150°	PrestoMOS	600	1.5	2.7	1.1	SSOP-A54_36
BM6207FS	150°	PrestoMOS	600	2.5	1.7	1.1	SSOP-A54_36
BM6208FS	180°(Sinusoidal)	PrestoMOS	600	1.5	2.7	1.1	SSOP-A54_36
BM6209FS	180°(Sinusoidal)	PrestoMOS	600	2.5	1.7	1.1	SSOP-A54_36

三相无刷风扇电机控制器 家电用

BD62011AFS		
BD62012AFS		
BD62013AFS		
BD62014AFS		

Part No.	Supply Voltage (V)	Commutation Logic	Control Voltage Range (V)	Phase Control Range (deg)	FG Pulse Number	Hall Bias Switch	Package
BD62011AFS	10.0 to 18.0	180°(Sinusoidal)	2.1 to 5.4	0 to +40	4/12	-	SSOP-A24
BD62012AFS	10.0 to 18.0	150°	2.1 to 5.4	0 to +30	4/12	-	SSOP-A24
BD62013AFS	10.0 to 18.0	150°	2.1 to 5.4	0 to +30	12	✓	SSOP-A24
BD62014AFS	10.0 to 18.0	180°(Sinusoidal)	1.1 to 4.4	0 to +40	4/12	-	SSOP-A24

ODD用驱动器

1ch系统电机驱动器 应用广泛

Part No.	Power Supply (V)	Dynamic Range of Driver Output (V)	I/F Amp.	Mute of Driver Output	Regulator for DSP (V)	Protect Circuit for Low Power Supply	Protect for Abnormal Input	Temp. Protection	Standby Circuit	Package
BD7931F	4.5 to 14.0	7.5(V _{CC} =8V, R _L =500mA)	-	-	-	-	-	✓	✓	SOP8
BH6578FVM	4.5 to 5.5	4.5(V _{CC} =5V, R _L =500mA)	-	-	-	-	-	✓	-	MSOP8

2ch~3ch系统电机驱动器 执行器用

Part No.	Power Supply (V)	I/F	FOCUS TILT	TRACKING	SLED	LOADING	SPINDLE	Short Circuit Protection Loading	Protect for Pickup	Package
BD8271EFV	4.5 to 14.0	Analog & PWM	1ch	-	2ch STTEPING	-	-	-	-	HTSSOP-B24

4ch系统电机驱动器 CD播放器的基本形式

Part No.	Power Supply (V)	I/F	FOCUS TILT	TRACKING	SLED	LOADING	SPINDLE	Short Circuit Protection for Loading	Protect for Pickup	Regulator	Reset	Package	Automotive Grade AEC-Q100
BD8226EFV	5.5 to 14.0	Analog & PWM	1ch	1ch	DC Select input	DC	-	-	-	Variable voltage × 1	-	HTSSOP-B24	-
BD8229EFV	4.5 to 14.0	Analog & PWM	1ch	1ch	DC Select input	DC	-	-	-	1 input 1 output	-	HTSSOP-B24	-
BD8266EFV-M	4.5 to 10.0	Analog & PWM	1ch	1ch	DC Select input	DC	-	Self off	-	-	-	HTSSOP-B24	YES
New BD8263EFV-M	4.5 to 10.0	Analog & PWM	1ch	1ch	DC Select input	DC	✓	-	-	-	-	HTSSOP-B28	YES

5ch系统电机驱动器 增加负载通道

Part No.	Power Supply (V)	I/F	FOCUS TILT	TRACKING	SLED	LOADING	SPINDLE	Short Circuit Protection for Loading	Protect for Pickup	Regulator	Package	Automotive Grade AEC-Q100
BD8205EFV-M	6.0 to 10.0	Analog & PWM	1ch	1ch	DC	DC	DC	-	-	-	HTSSOP-B24	YES
BD8203EFV	4.5 to 14.0	Analog & PWM	1ch	1ch	DC	DC	DC	-	-	Variable voltage × 1 5V Fixed × 1	HTSSOP-B40	-

6ch~9ch系统电机驱动器 DVD、Blu-ray播放器的基本形式												
Part No.	Power Supply (V)	I/F	FOCUS TILT	TRACKING	SLED	LOADING	SPINDLE	LVDS for SA	Short Circuit Protection for Loading	Protect for Pickup	Package	Automotive Grade AEC-Q100
BD8255MUV-M	4.5 to 5.5	SPI	1ch	1ch	2ch STTEPING	DC	3-Phase Brushless	-	✓	-	VQFN48SV7070	YES
BD8256EFV-M	4.5 to 10.5	SPI	2ch	1ch	2ch STTEPING	DC	3-Phase Brushless	2ch	✓	Self off	HTSSOP-B54	YES

半高无传感器系统电机驱动器 节约空间型										
Part No.	Supply Voltage (V)	ch	Output System	Output (Ω)	Output Gain	Under Voltage Protection	Overvoltage Protection	Input Abnormality Protection	Temperature Protection	Package
BD7763EFV	4.3 to 5.5	1 to 3ch	PWM	1.5	17.5dB	✓	-	✓	✓	HTSSOP-B54
		4, 5ch	PWM	1.3	17.5dB					
	10.8 to 13.2	6, 7ch	PWM	2.2	1.15A/V					
		8ch	PWM	1.0	1.15A/V					
		9ch	PWM	1.5	-					

超薄3传感器系统电机驱动器 基本型										
BH5510KV/ BH5510KVT	4.0 to 5.5	1 to 3ch	PWM	1.3	14dB	✓	✓	✓	✓	VQFP48C/ TQFP48V
		4, 5ch	PWM	1.5	14dB					
		6ch	PWM	0.6	1A/V or 0.2A/V					
BH5511KV	4.0 to 5.5	1 to 3ch	PWM	1.3	17.5dB/8.0dB	✓	✓	✓	✓	VQFP48C
		4, 5ch	PWM	1.5	17.5dB					
		6ch	PWM	0.6	0.5A/V or 0.33A/V or 0.17A/V					

打印机用驱动器

多棱镜用三相无刷电机驱动器 面向LBP, PPC										
Part No.	Supply Voltage (V)	Output Current (A)	Circuit Current (mA)	Input Threshold Voltage		Current Limit Detect Voltage (V)	ON Resistance (Ω)	Circuit Current When Motor Stop (mA)	PWM Frequency (kHz)	Package
				H Level(V)	L Level(V)					
BD67929EFV	19 to 28	2.5	4.0	3.0	1.5	0.5	1.35 (I _o =1.0A)	1.0	200	HTSSOP-B28

打印机用有刷电机驱动器								
Part No.	Supply Voltage (V)	Output Current (A)	Output Current Peak(A)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	Package
					H Level(V)	L Level(V)		
BD63821EFV	19 to 28	1.0	1.5	2.5	2.0	0.8	1.9(I _o =0.5A)	HTSSOP-B28
BD63823EFV	19 to 28	2.0	2.8	2.5	2.0	0.8	0.65(I _o =1.5A)	HTSSOP-B28
BD62210AEFV	8 to 28	1.0	1.5	2.5	2.0	0.8	1.9	HTSSOP-B28
BD62220AEFV	8 to 28	2.0	2.8	2.5	2.0	0.8	0.65	HTSSOP-B28

纸传送或运输用双极型 步进电机驱动器 面向LBP、PPC、Scanner、Photo Printer、FAX、IJP 其他步进电机驱动器的通用IC新产品线请见P.A69、P.A71。							
Part No.	Supply Voltage(V)	Output Current (A)	Circuit Current (mA)	Input Threshold Voltage		Output ON Resistance (Ω)	Package
	V _{cc}			High Level Voltage(V)	Low Level Voltage(V)		
BD63801EFV	19 to 28	0.8	2.7	2.0	0.8	2.8	HTSSOP-B24
BD68715EFV	19 to 28	1.5	2.0	2.0	0.8	0.95	HTSSOP-B28
BD63715AEFV	19 to 28	1.5	2.0	2.0	0.8	0.95	HTSSOP-B28

纸传送用三相无刷电机预驱动器 面向LBP、PPC										
Part No.	Max. Voltage (V)	Supply Voltage (V)	Operating Temperature (°C)	Circuit Current (mA)	Input Threshold Voltage		External Threshold Voltage		PWM Frequency (kHz)	Package
					H Level(V)	L Level(V)	Upper(V)	Lower(V)		
BD6761FS	36	16 to 28	-35 to +75	15.0	2.2	0.8	V _{cc} + 6	10.5	15	SSOP-A32
BD6762FV	36	16 to 28	-25 to +75	17.0	2.2	0.8	V _{cc} + 6.8	10.8	16	SSOP-B40

多棱镜用三相无刷电机驱动器 面向LBP, PPC: 输出电流限值为电流限制电压除以外接输出电流检测用电阻 (RNF电阻) 的值。
 打印机用有刷电机驱动器: BD63821EFV和BD63823EFV引脚兼容。BD62210AEFV和BD62220AEFV引脚兼容。

数码相机用驱动器

5ch数码相机用系统镜头驱动器

Part No.	Supply Voltage (V)	Driver Output Max. Current (A)	Drive Method Examples of Actuator(Drived Motor, Driving System, and Output ON Resistance(Ω))				Input I/F	Reference Voltage Output for Output Setting Current(V)	Package (mm)	
			AF	Zoom	Iris	Shutter				
BD6370GUL	2.7 to 5.5	0.5	ex. 1	STM(1, 2ch) Constant voltage/ FULL ON 1.4	DCM(3ch) Constant voltage/ FULL ON 1.4	DCM or VCM(4ch) Constant voltage/ Constant current/ FULL ON 1.4	VCM(5ch) Constant current 1.4	Parallel + Serial	Output current control using built-in D/A converter	VCSP50L2 (2.6 × 2.6) H=0.55Max.
			ex. 2	STM(1, 2ch) Constant voltage/ FULL ON 1.4	STM(1, 2, 3ch) Constant voltage/ FULL ON 1.4	DCM or VCM(4ch) Constant voltage/ Constant current/ FULL ON 1.4	VCM(5ch) Constant current 1.4			
BD6758MWV	2.5 to 5.5	0.8	ex.	STM(1, 2ch) FULL ON 1.2	DCM(3ch) FULL ON 1.2	DCM or VCM(4ch) FULL ON 1.2	VCM(5ch) Constant current 1.0	Parallel	1.2 (± 3%)	UQFN036V5050 (5.0 × 5.0) H=1.0Max.
BD6758KN	2.5 to 5.5	0.8	ex.	STM(1, 2ch) FULL ON 1.2	DCM(3ch) FULL ON 1.2	DCM or VCM(4ch) FULL ON 1.2	VCM(5ch) Constant current 1.0	Parallel	1.2 (± 3%)	VQFN36 (6.2 × 6.2) H=0.55Max.

6ch数码相机用系统镜头驱动器

Part No.	Supply Voltage (V)	Driver Output Max. Current (A)	Drive Method Examples of Actuator(Drived Motor, Driving System, and Output ON Resistance(Ω))					Input I/F	Reference Voltage Output For Output Setting Current(V)	Package (mm)	
			AF	Zoom	Iris	Shutter	Barrier				
BD6373GW	2.5 to 5.5	0.8	ex.	STM(1, 2ch) FULL ON 1.2	STM(3, 4ch) FULL ON 1.2	DCM or VCM(5ch) FULL ON 1.2	VCM(6ch) FULL ON 1.2	-	Parallel	-	UCSP75M2 (2.6 × 2.6) H=0.65Max.
BD6753KV	4.5 to 10.5 (1, 2ch) 2.0 to 10.5 (3 to 6ch)	0.8	ex.	STM(1, 2ch) FULL ON 1.2	STM(3, 4ch) FULL ON 1.2	DCM or VCM(5ch) PWM(± 3%) 1.2	VCM(6ch) PWM(± 3%) 1.2	-	Parallel + Serial	0.9 (± 10%)	VQFP48C (5.0 × 9.0) H=1.60Max.

7ch数码相机系统镜头驱动器

Part No.	Supply Voltage (V)	Driver Output Max. Current (A)	Drive Method Examples of Actuator(Drived Motor, Driving System, and Output ON Resistance(Ω))					Input I/F	Reference Voltage Output For Output Setting Current(V)	Package (mm)	
			AF	Zoom	Iris	Shutter	Anti Shock				
BD6889GU	2.5 to 5.7	0.8	ex. 1	STM(1, 2ch) FULL ON 1.3	STM(3, 4ch) FULL ON 1.3	STM(5, 6ch) FULL ON 1.3	VCM(7ch) Constant current(± 3%) 0.9	-	Parallel	0.9 (± 2%)	VBGA063T050 (5.0 × 5.0) H=1.20Max.
			ex. 2	STM(1, 2ch) FULL ON 1.3	DCM(3ch) FULL ON 1.3	DCM(4ch) FULL ON 1.3	VCM(7ch) Constant current(± 3%) 0.9	STM(5, 6ch) FULL ON 1.3			

1ch/2ch单反相机用镜头驱动器

Part No.	ch	Supply Voltage (V)	Driver Output Max. Current (A)	Drive Method Examples of Actuator(Drived Motor, Driving System, and Output ON Resistance(Ω))					Turn on Time	Turn off Time	Control Frequency	Package (mm)	
				Cleaner	AF	Zoom	Iris	Shutter					
BD65492MUV	2	1.8 to 16.0	1.0	ex.	-	STM(2ch) FULL ON 0.9	-	-	-	200ns(Including 80ns to Prevent from overlap current.)	80ns	500kHz (Max.)	VQFN024V4040 (4.0 × 4.0)H=1.0Max.
BD6735FV	2	2.0 to 8.0	1.0	ex.	-	-	-	STM(2ch) FULL ON 1.0	-	300ns(Including 90ns to Prevent from overlap current.)	100ns	100kHz (Max.)	SSOP-B20 (6.5 × 6.4)H=1.25Max.
BD6376GUL	1	2.0 to 9.0	1.0	ex.	-	-	DCM(1ch) FULL ON 0.45	-	-	200ns(Including 80ns to Prevent from overlap current.)	60ns	200kHz (Max.)	VCSP50L1 (1.6 × 1.6)H=0.55Max.
BD65491FV	1	1.8 to 16.0	1.2 Peak 4.0	ex.	-	-	-	-	Plunger(1ch) FULL ON 0.35	150ns(Including 80ns to Prevent from overlap current.)	50ns	500kHz (Max.)	SSOP-B16 (6.5 × 5.0)H=1.25Max.
BD6736FV	1	2.0 to 9.0	1.0 Peak 3.2	ex.	-	-	-	-	Plunger(1ch) FULL ON 0.35	1000ns(Including 800ns to Prevent from overlap current.)	100ns	100kHz (Max.)	SSOP-B20 (6.5 × 6.4)H=1.25Max.
BD65499MUV	1	4.0 to 27.0	0.5 Peak 2.0	ex.	Piezo(1ch) FULL ON 0.6	-	-	-	-	150ns(Including 80ns to Prevent from overlap current.)	50ns	300kHz (Max.)	VQFN028V5050 (5.0 × 5.0)H=1.0Max.
BD65494MUV	1	2.0 to 9.0	1.0 Peak 2.5	ex.	-	-	-	-	Plunger(1ch) FULL ON 0.55	200ns(Including 80ns to Prevent from overlap current.)	60ns	200kHz (Max.)	VQFN016V3030 (3.0 × 3.0)H=1.0Max.
BD65496MUV	1	1.8 to 16.0	1.2 Peak 5.0	ex.	-	-	-	-	Plunger(1ch) FULL ON 0.35	150ns(Including 80ns to Prevent from overlap current.)	50ns	500kHz (Max.)	VQFN024V4040 (4.0 × 4.0)H=1.0Max.

STM: 步进电机, DCM: DC 电机, VCM: 音圈电机 ("Drive method examples of actuator" 为代表例, 可研讨其他使用方法。)

▶ 数码相机用驱动器 ▶ 支持 μ -step 的数码相机用系统镜头驱动器

支持 μ -step 的数码相机用系统镜头驱动器												
Part No.	Supply Voltage (V)	Driver Output Max. Current (A)	Drive Method Examples of Actuator(Drived Motor, Driving System, and Output ON Resistance(Ω))					Input I/F	Microstep Resolution	Package (mm)		
			AF	Zoom	Iris	Shutter	Others					
BU24020GU	2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5	ex. 1	STM(1, 2ch) μ -step(class-D) 1.5	STM(3, 4ch) μ -step(class-D) 1.5	-	-	-	3-wire serial	1,024	VCSP85H2 (2.6 × 2.6) H=1.0Max.	
			ex. 2	STM(1, 2ch) μ -step(class-D) 1.5	DCM(3ch) FULL ON(PWM) 1.5	VCM(4ch) FULL ON(PWM) 1.5	-	-				
BU24031GW	1.62 to 3.6 (I) 2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5	ex	STM(1, 2ch) μ -step(class-D) 2.0	DCM(4ch) FULL ON(PWM + Speed Control) 2.0	VCM(3ch) FULL ON(PWM) 2.0	VCM(5ch) constant current 1.0	-	3-wire serial	1,024	UCSP75M2 (2.5 × 2.5) H=0.85Max.	
BU24033GW	1.62 to 3.6 (I) 2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5/0.6	ex. 1	STM(1, 2ch) μ -step(class-D) 1.5	STM(3, 4ch) μ -step(class-D) 1.5	VCM(5ch) FULL ON(PWM) 1.0	VCM(6ch) constant current 1.0	-	3-wire serial	1,024	UCSP75M3 (3.0 × 3.0) H=0.85Max.	
			ex. 2	STM(1, 2ch) μ -step(class-D) 1.5	DCM(5ch) FULL ON (PWM + Speed Control) 1.0	VCM(3ch) FULL ON(PWM) 1.5	VCM(6ch) constant current 1.0	DCM(4ch) FULL ON(PWM) 1.5				
BU24035GW	2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5/0.6	ex. 1	STM(1, 2ch) μ -step(class-D) 1.5	DCM(5ch) FULL ON (PWM + Speed Control) 1.0	STM(3, 4ch) μ -step(class-D) 1.5	VCM(6ch) constant current 1.0	-	3-wire serial	1,024	UCSP75M3 (3.1 × 3.1) H=0.85Max.	
			ex. 2	STM(1, 2ch) μ -step(class-D) 1.5	DCM(3ch) FULL ON (PWM + Speed Control) 1.5	VCM(5ch) FULL ON(PWM)/ constant current 1.0	VCM(6ch) constant current 1.0	VCM(4ch) FULL ON(PWM) 1.5				
BU24036MWV	2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5/0.6	ex. 1	STM(1, 2ch) μ -step(class-D) 2.0	DCM(5ch) FULL ON (PWM + Speed Control) 1.0	STM(3, 4ch) μ -step(class-D) 1.5	VCM(6ch) constant current 1.0	-	3-wire serial	1,024	UQFN040V5050 (5.0 × 5.0) H=1.0Max.	
			ex. 2	STM(1, 2ch) μ -step(class-D) 2.0	DCM(3ch) FULL ON (PWM + Speed Control) 1.5	VCM(5ch) FULL ON(PWM)/ constant current 1.0	VCM(6ch) constant current 1.0	VCM(4ch) FULL ON(PWM) 1.5				
BU24038GW	2.7 to 3.6 (Logic) 2.7 to 5.5 (Driver)	0.5	ex. 1	STM(1, 2ch) μ -step(class-D) 1.5	STM (3, 4ch) μ -step (class-D) 1.5	STM (5, 6ch) μ -step (class-D) 1.5	VCM(8ch) FULL ON(PWM) 1.5	VCM(9ch) constant current 1.0	DCM(7ch) FULL ON(PWM) 1.5	3-wire serial	1,024	UCSP75M3 (3.5 × 3.5) H=0.85Max.
			ex. 2	STM(1, 2ch) μ -step(class-D) 1.5	STM(5, 6ch) μ -step(class-D) 1.5	VCM(3ch) FULL ON (PWM) 1.5	VCM(4ch) FULL ON (PWM) 1.5	VCM(9ch) constant current 1.0	DCM(7ch) FULL ON(PWM) 1.5			

STM : 步进电机, DCM : DC 电机, VCM : 音圈电机 (“ Drive method examples of actuator ” 为代表例, 可研讨其他使用方法。)

A

电机 / 执行机构驱动器

便携式相机模块用驱动器

音圈电机用并行接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max. Current (mA)	Driver Output ON Resistance (Ω)	Input I/F	Input Mode Selection Terminal	Current Sense Resistor	Temperature Protection	Power Save Function	Back side coating	Package (mm)
BD6369GUL	2.5 to 5.5	Drive AF using voice coil motor.	1	Constant voltage (±5%)	400	0.8 (V _{cc} =5V, I _o =0.4A)	Parallel	✓	-	✓	✓	with	VCSP50L2 (2.1 × 2.1) H=0.55Max.

单向型音圈电机用两线串行(I²C-Compatible)接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max. Current (mA)	Driver Output Low Voltage (V)	Input I/F	Ringing Compensation	Temperature Protection	Back side coating	Package (mm)
BU64241GWZ	2.3 to 4.8	Drive AF using voice coil motor.	0.25	Constant current (±10%)	130	0.15 (V _{cc} =3V, I _o =100mA)	I ² C Fm compatible	ISRC	✓	without	UCSP30L1 (1.3 × 0.77) H=0.33Max.
BU64243GWZ	2.3 to 4.8	Drive AF using voice coil motor.	0.25	Constant current (±10%)	130	0.15 (V _{cc} =3V, I _o =100mA)	I ² C Fm compatible	ISRC	✓	with	UCSP35L1 (0.77 × 1.3) H=0.40Max.
BU64244GWZ	2.3 to 4.8	Drive AF using voice coil motor.	0.25	Constant current (±10%)	130	0.15 (V _{cc} =3V, I _o =100mA)	I ² C Fm compatible	ISRC	✓	with	UCSP35L1 (0.77 × 1.3) H=0.36Max.
BU64291GWZ	2.3 to 4.8	Drive AF using voice coil motor.	0.5	Constant current (±5%)	100	0.25 (V _{cc} =3V, I _o =100mA)	I ² C Fm compatible	ISRC	✓	without	UCSP30L1 (0.77 × 1.37) H=0.33Max.
New BU64980AGWZ	2.3 to 4.8	Drive AF using voice coil motor.	0.25	Constant current (±5%)	100	0.25 (V _{cc} =3V, I _o =100mA)	I ² C Fm+ compatible	ISRC	✓	without	UCSP25L1 (0.72 × 1.13) H=0.3Max.
New BU64981AGWZ	2.3 to 4.8	Drive AF using voice coil motor.	0.25	Constant current (±5%)	100	0.25 (V _{cc} =3V, I _o =100mA)	I ² C Fm+ compatible	ISRC	✓	with	UCSP30L1A (0.72 × 1.13) H=0.33Max.

双向型音圈电机用两线串行(I²C-Compatible)接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max. Current (mA)	Driver Output ON Resistance (Ω)	Input I/F	Ringing Compensation	Temperature Protection	Back side coating	Package (mm)
BU64295GWZ	2.3 to 4.8	Drive AF using voice coil motor.	1	Constant current (±5%)	±100	2.0 (V _{DD} =3V)	I ² C Fm compatible	ISRC	✓	without	UCSP30L1 (0.77 × 1.2) H=0.33Max.
BU64296GWX	2.3 to 4.8	Drive AF using voice coil motor.	1	Constant current (±5%)	±100	2.0 (V _{DD} =3V)	I ² C Fm compatible	ISRC	✓	without	UCSP16X1 (0.77 × 1.2) H=0.20Max.
BU64297GWZ	2.3 to 4.8	Drive AF using voice coil motor.	1	Constant current (±5%)	±100	2.0 (V _{DD} =3V)	I ² C Fm compatible	ISRC	✓	with	UCSP35L1 (0.77 × 1.2) H=0.36Max.
New BU64985GWZ	1.6 to 1.98	Drive AF using voice coil motor.	1	Constant current (±5%)	±60	1.3 (V _{DD} =1.8V)	I ² C Fm+ compatible	ISRC	✓	with	UCSP30L1A (0.77 × 1.2) H=0.33Max.
New BU64987GWZ	1.6 to 1.98	Drive AF using voice coil motor.	1	Constant current (±5%)	±100	1.3 (V _{DD} =1.8V)	I ² C Fm+ compatible	ISRC	✓	with	UCSP30L1A (0.77 × 1.2) H=0.33Max.

压电执行器用两线串行(I²C-Compatible)接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max. Current (mA)	Driver Output ON Resistance (Ω)	Input I/F	Base Clock	UVLO	Temperature Protection	Power Save Function	Back side coating	Package (mm)
BU64562GWZ	V _{cc} : 2.3 to 4.8	ex.1 Drive AF using piezo actuator. ex.2 Drive ZOOM using piezo actuator.	1	FULL ON	400	1.4 (V _{cc} =3V)	I ² C Fm compatible	Built-in 15MHz	✓	✓	✓	without	UCSP30L1 (1.90 × 0.77) H=0.33Max.

步进电机用并行接口镜头驱动器

Part No.	Supply Voltage (V)	Applications	ch	Drive System	Driver Output Max. Current (mA)	Driver Output ON Resistance (Ω)	Input I/F	Input Mode Selection Terminal	Built-In Wave Sloping Comparator	Temperature Protection	Power Save Function	Back side coating	Package (mm)
BD6360GUL	2.3 to 5.5	ex.1 Drive AF using piezo actuator. ex.2 Drive ZOOM using stepping motor.	2	FULL ON	400	1.0 (V _{cc} =3V, I _o =0.4A)	Parallel	✓	✓	✓	✓	with	VCSP50L2 (2.1 × 2.1) H=0.55Max.

=Auto Focus =Zoom