

Continued from preceding page.

DRIVER ARRAYS (monolithic integrated circuit)

Type Number	Page	Case			Circuit Drawing No.	Circuit Functions & Applications	Main Specifications
		Package	Pins	Package No.			
LB1293	189	DIP	16	3064	3044	6-Channel NPN Input Type High Voltage (55V) Driver Array	6-channel version of LB1291
LB1294	190	DIP	16	3064	3045	6-Channel NPN Input Type High Voltage (60V) Driver Array	6-channel FLT driver, high voltage (60V), high output source current (60mA), suited for interface to system having different supply voltage
⊙LB1760	197	DIP	16	3064	3070	Low-Saturation Type Transistor Array	Printer driver

DC MOTOR CONTROLLERS (monolithic integrated circuit)

Type Number	Page	Case			Circuit Drawing No.	Circuit Functions & Applications	Main Specifications
		Package	Pins	Package No.			
LA5511	140	SEP	4	3027A	2096	Compact DC Motor Speed Controller	Shunt ratio K=50, Vref=1.16V
LA5512	140	SEP	4	3027A	2096	Compact DC Motor Speed Controller	Shunt ratio K=25, Vref=1.16V
LA5521D	140	DIP	8	3001A	2097	Compact DC Motor Speed Controller	3V(4.5V) applications, K=50, Vref=0.2V
LA5521M	141	MFP	8	3032B	2098	Compact DC Motor Speed Controller	Miniflat package version of LA5521D
LA5522	140	SEP	5H	3031A	2097	Compact DC Motor Speed Controller	4.5V, 6V applications, K=50, Vref=0.5V
LA5523	141	SEP	5	3042A	2099	Compact DC Motor Speed Controller	4.5V, 6V applications, K=50, Vref=0.5V
LA5524	141	DIP	8	3001A	2101	Compact DC Motor Speed Controller	3V(4.5V) applications, K=50, Vref=0.22V, with stop pin
LA5524M	141	MFP	8	3032B	2101	Compact DC Motor Speed Controller	Miniflat package version of LA5524D
⊙LA5527	141	DIP	6	3048	2100	Compact DC Motor Speed Controller	3V bridge governor use
⊙LA5528	141	DIP	8	3001A	2100	Compact DC Motor Speed Controller	3V bridge governor use (with stop circuit)
⊙LA5536	142	SEP	5H	3031A	2102	Compact DC Motor Speed Controller	6V, 9V, 12V, 15V applications, Vref=1.2V, with STROBE pin
⊙LA5537	142	SEP	5	3042A	2102	Compact DC Motor Speed Controller	6V, 9V, 12V applications, Vref=1.2V, with STROBE pin
LA5540	142	SEP	4	3027A	2103	Regulator, Brake-Provided Motor Driver	Motor driver for miniprinter, etc. Vmax=20V, Idmax=2A
LA5550	142	DIP	16	3006A	2104	FF, REW-Provided Compact DC Motor Speed Controller	3 to 6V applications, FF, REW, brake-provided electronic governor
LA5550M	142	MFP	20	3036B	2104	FF, REW-Provided Compact DC Motor Speed Controller	Miniflat package version of LA5550
⊙LA5555	142	DIP	22S	3059	2105	Bidirectional 6V Bridge Governor	Auto reverse governor use
LB1601	194	DIP	14T	3005A	3059	DC Motor Servo Controller	High drive current 200mA, operating voltage 8 to 16V, high input impedance approx. 1M Ω
LB1620	194	DIP	20S	3021B	3060	3-Phase DD Motor Driver	3-phase motor driver use, suited for VIR capstan, drum motor, etc
LB1622	195	DIP	30S	3047A	3061	3-Phase DD Motor Driver	DIP-30S version of LB1620

LB1450

monolithic digital IC

CIRCUIT DRAWING
No.3056**LED TUNING INDICATOR**

3017B

Use

3-area, 5-mode indicator of tuning condition of FM receiver by means of LED.

Features

- 3 LEDs displaying 5 modes of tuning.

Since the LED is driven by constant current, the LED current varies as shown below when 2 LEDs are lighted simultaneously.

Therefore, this causes the brightness to vary, thereby enabling the dynamic indication.

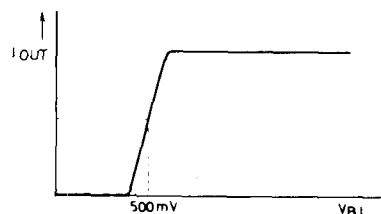
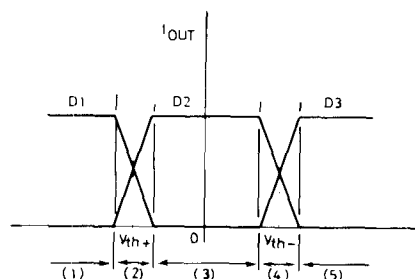
- Since the threshold width of window comparator is variable externally, a desired tuning

width can be set.

- Since the LED current is changed-over linearly, there is no switching radiation.
- The LED unlighting pin makes blanking easy in the daytime or at the time of AM reception.
- Direct interface to IF IC (ex. LA1231, LA1140, etc.) using quadrature detection is enabled.
- SEP 9-pin package with small mounting area.

Mode LED lighting mode Tuning condition

(1)	▶	◀	(-) Detuning
(2)	▶	●	Semituning
(3)	▶	●	Tuning
(4)	▶	●	Semituning
(5)	▶	◀	(+) Detuning
(6)	▶	◀	Blanking

**LB1601**

monolithic digital IC

CIRCUIT DRAWING
No.3059**SERVO CONTROLLER FOR DC MOTOR**

3005A

Use

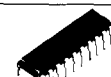
Revolution stabilizer for miniature dc motor of a cassette tape recorder, a tape recorder, a record player and a movie camera.

Features

- Few peripheral parts.
- Stable revolution against voltage, torque and temperature.
- Driver transistor installed.
- DC control system supplies a long life motor.

LB1620

monolithic digital IC

CIRCUIT DRAWING
No.3060**DD MOTOR DRIVER**

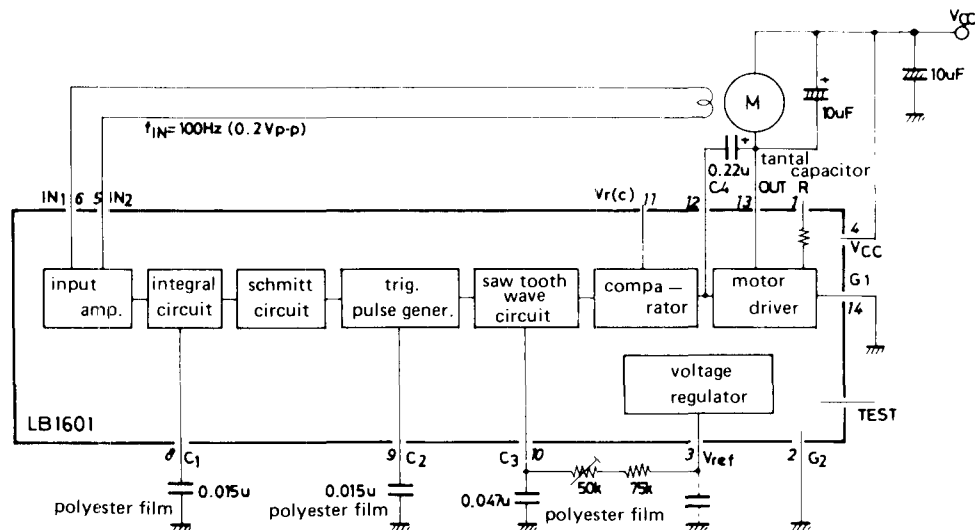
3021B

Functions and Features

- 3-phase motor driver
- Capable of controlling drive current
- Built-in 3-phase control signal generator
- Phase/speed control pin
- Forward/reverse rotation control pin
- Applicable to β /VHS, NTSC/PAL/SECAM

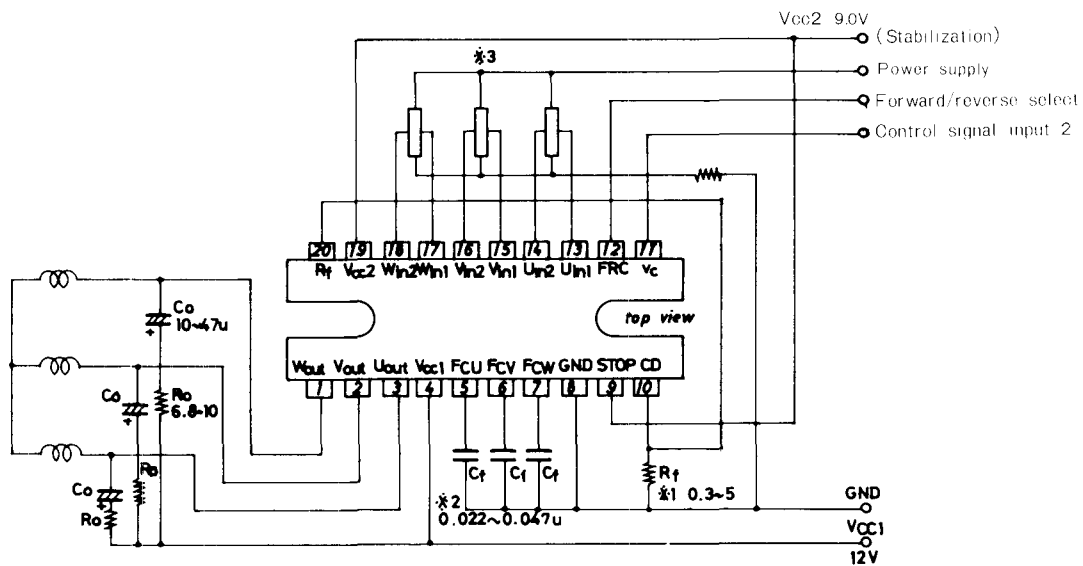
3059:LB1601

EQUIVALENT CIRCUIT BLOCK DIAGRAM AND ITS PERIPHERAL PARTS



3060:LB1620

SAMPLE APPLICATION CIRCUIT



3061:LB1622

EQUIVALENT CIRCUIT BLOCK DIAGRAM AND PERIPHERAL CIRCUIT

