

Service Manual

Radio Cassette

RX-F32LS/LE

FM-LW-MW-SW Stereo Radio Cassette Recorder



■ SPECIFICATIONS

General:

Power Requirement: AC; 110~115/115~127/200~220/
230~250V, 50/60 Hz
Battery; 12V (eight "C" Size Flashlight
Batteries)
(National UM-2 or equivalent)
Car battery; with optional car
adaptor RP-952

Power Consumption: 25W (AC only)
Power Output: 20W (10W×2)...RMS (max.)
20W (10W×2)...MPO

Speaker: 9cm (3½") PM Dynamic Speaker (6Ω)
Input: MIC; sensitivity 0.25mV/applicable
microphone impedance
200~600Ω
LINE IN; sensitivity 200mV/50kΩ over
DC IN; 12V

Output: LINE OUT; sensitivity 420mV/47kΩ
EXT SP; 3~8Ω
HEADPHONES; 32Ω

Dimensions: 418mm(W)×220mm(H)×110mm(D)
(16½×8⅜×4⅜)"

Weight: 4.15kg (9 lb. 2.4 oz.) without batteries

Radio Section:

Radio Frequency Range: FM; 87.5~108MHz
LW; 150~285kHz (2000~1060m)
MW; 520~1610kHz (577~186m)
SW; 5.9~18MHz (50.8~16.7m)

Intermediate Frequency: FM; 10.7MHz
AM (LW/MW/SW); 455kHz
AM (LW/MW/SW); 470kHz (For U.K.)

Sensitivity: FM; 1.8μV/500mW output
LW; 178μV/m/50mW output
MW; 141μV/m/50mW output
SW; 8.9μV/50mW output

Tape Deck Section:

Frequency Response: 60~12,000Hz (with normal tape)
60~14,000Hz (with Metal tape)

Recording System: AC bias, AC erase

Tape Speed: 4.8cm/s, (1⅞ ips)

Wow and Flutter: 0.2% (WRMS)

Program Time: 1 hour with C-60 cassette tape

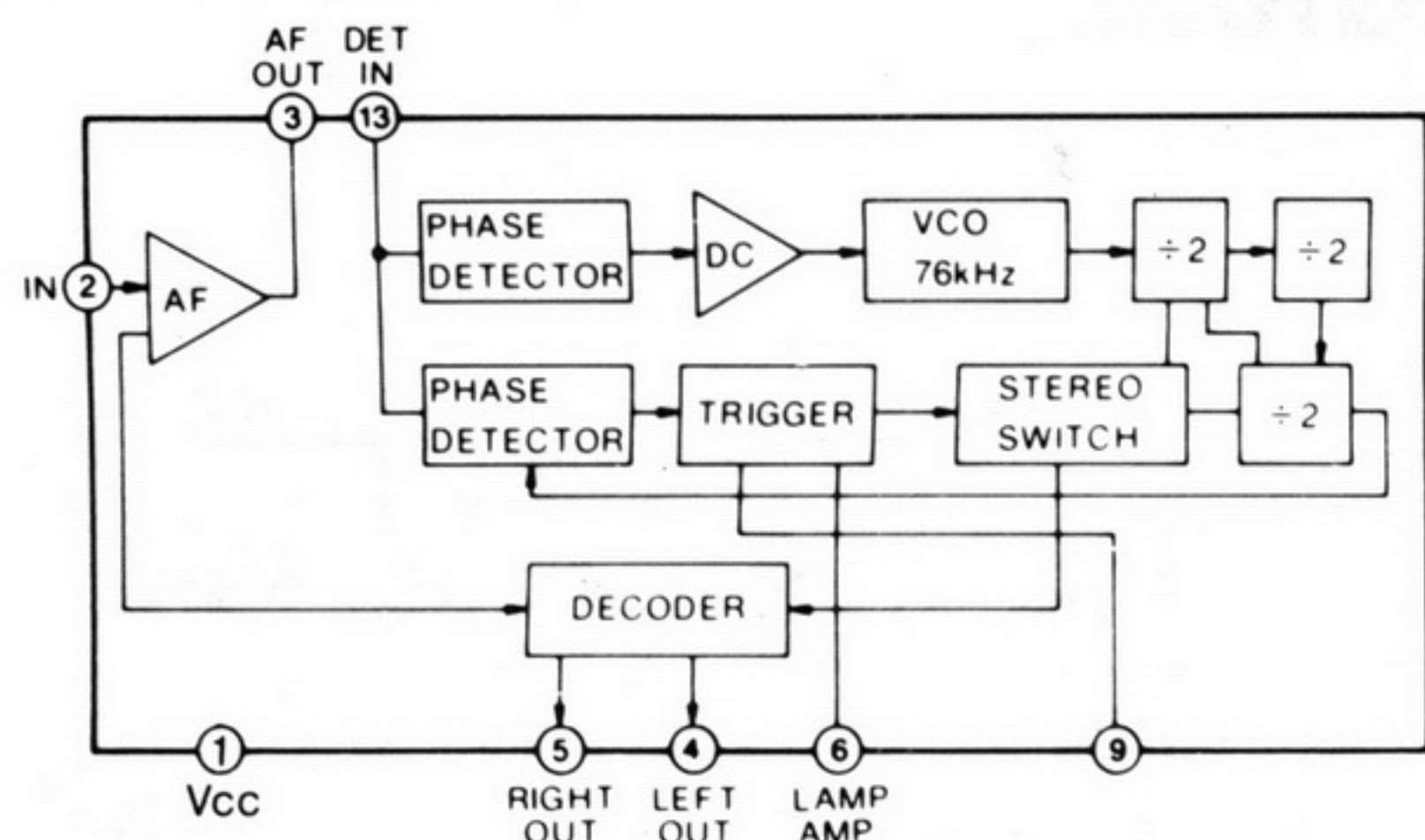
Track System: 4-track 2 channel stereo recording
and playback

Specifications are subject to change without notice.

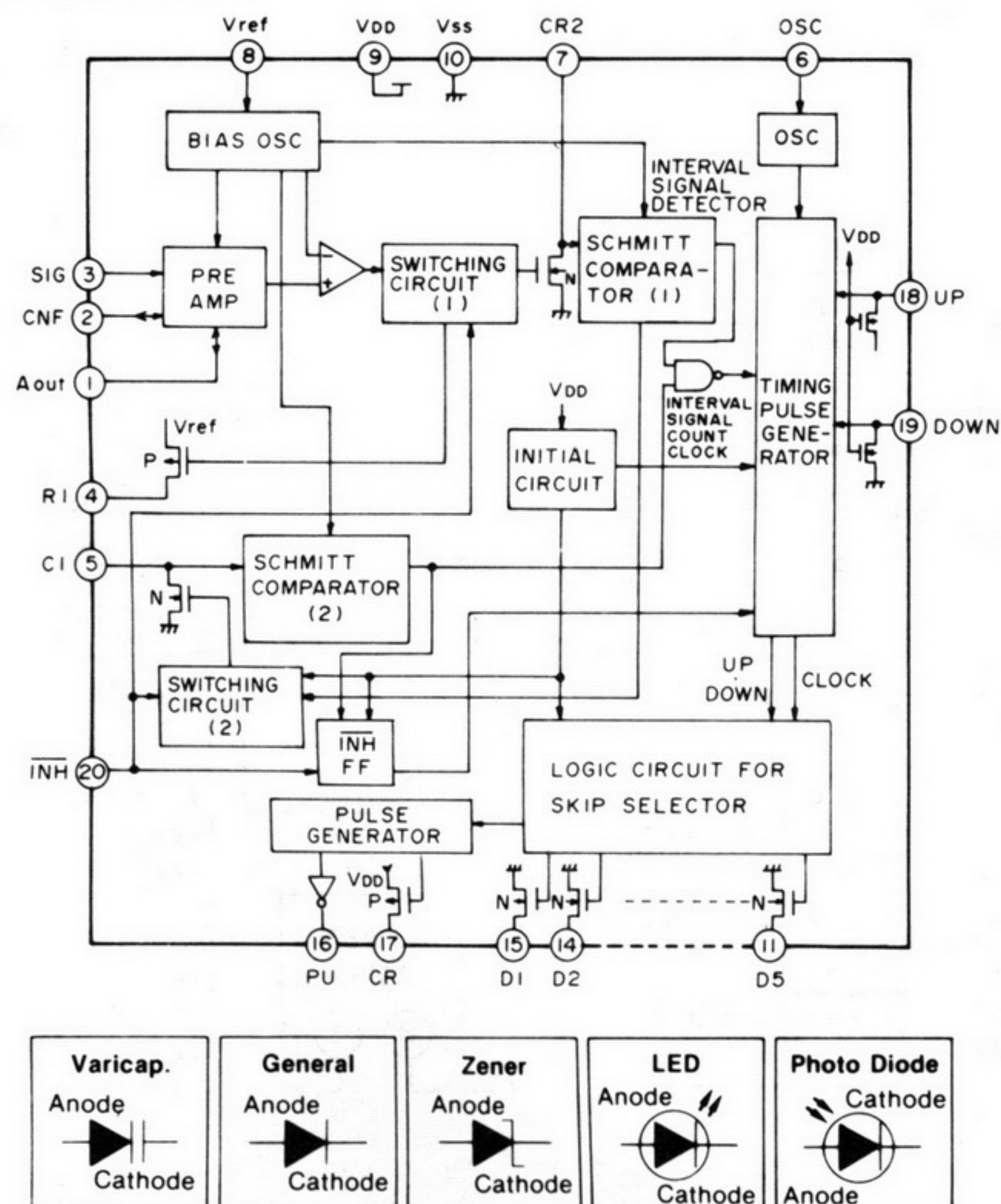
Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

IC2 RVIBA1330



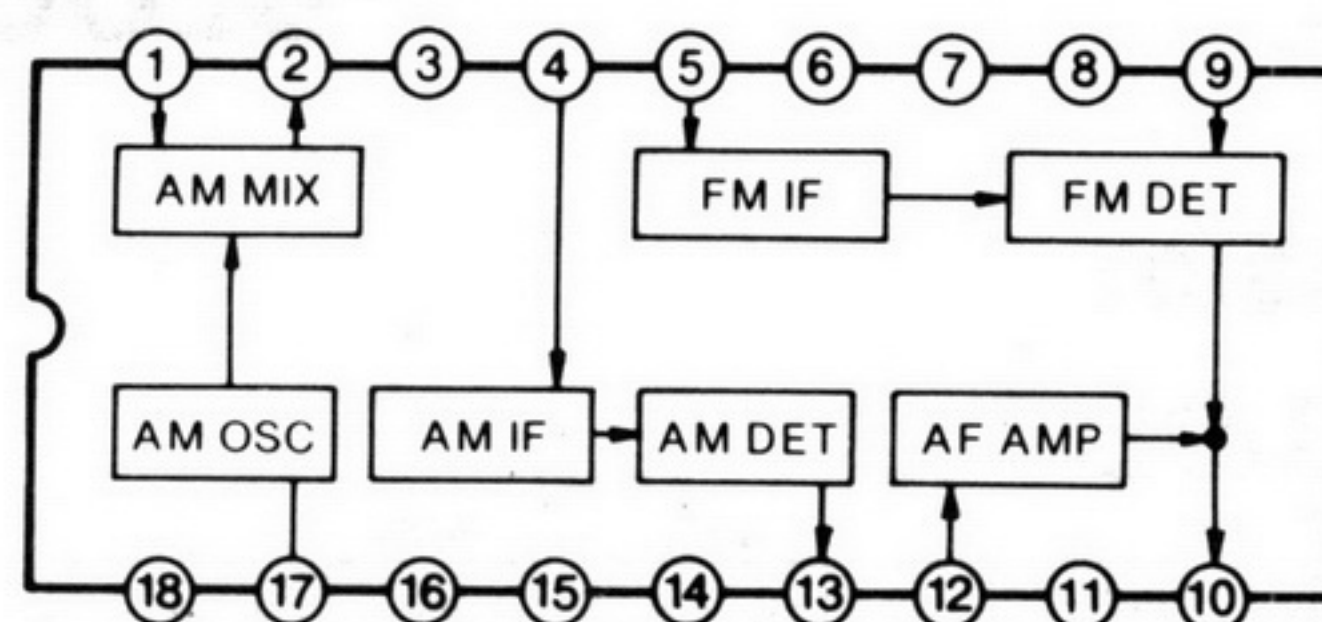
IC9 RVILC7515



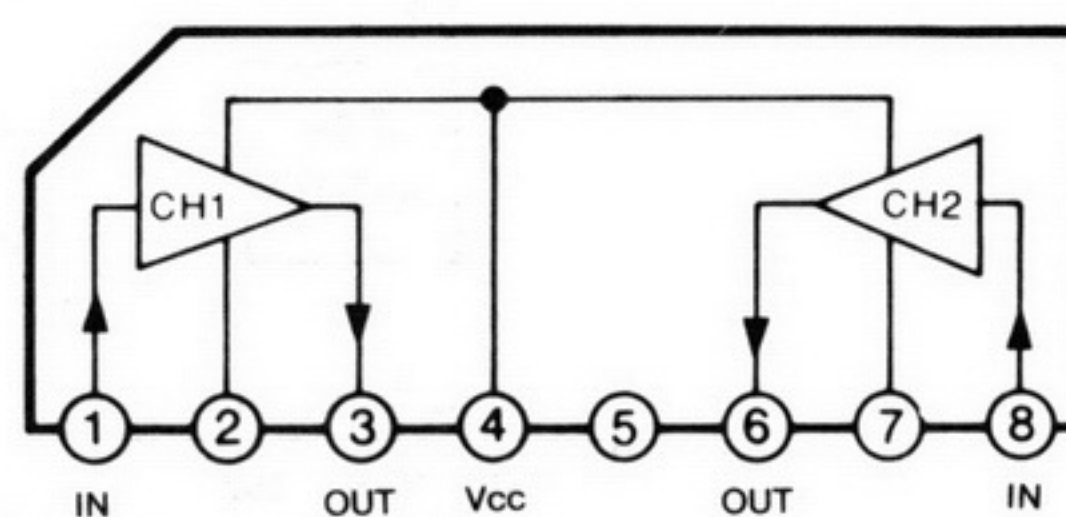
Notes:

- S1-1~S1-10: Record/playback switch in "playback" position.
(1...Playback, 3...Record)
- S2-1~S2-4: Function switch in "TAPE/OFF" position.
(1...TAPE/OFF, 2...RADIO, 3...LINE IN)
- S3-1~S3-5: Tape switch in "METAL" position.
(2...METAL, 3...NORMAL)
- S4-1~S4-4: Mode/beat proof switch in "STEREO/II" position.
(1...MONO/I, 2...STEREO/II, 3...AMBIENCE/III)
- S5: Dolby NR switch in "OUT" position.
- S6-1, S6-2: Loudness switch in "OFF" position.
- S7: TPS program switch.
- S8-1~S8-8: Band switch in "FM" position.
(1...FM, 2...LW, 3...MW, 4...SW)
- S9: Motor switch in "OFF" position.
- S10: Play switch in "OFF" position.
- S11: TPS switch in "OFF" position.
- S12: AC/DC IN select switch in "DC IN" position.
- S13: Voltage select switch.
- VR101, 201: Dolby adjustment VR.

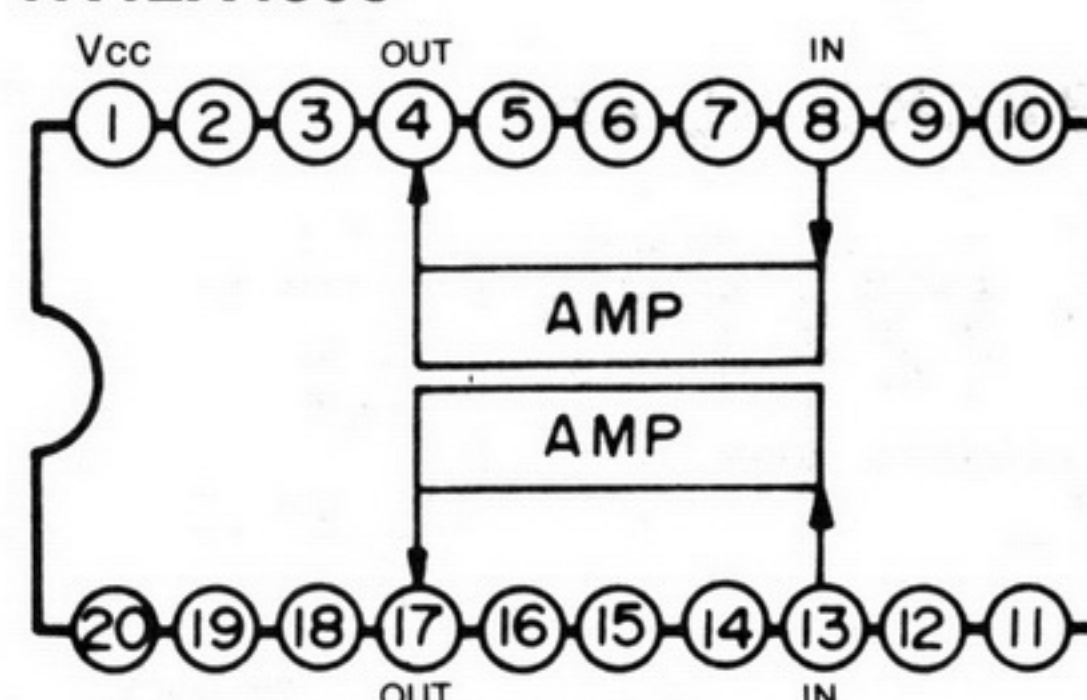
IC1 AN7220B



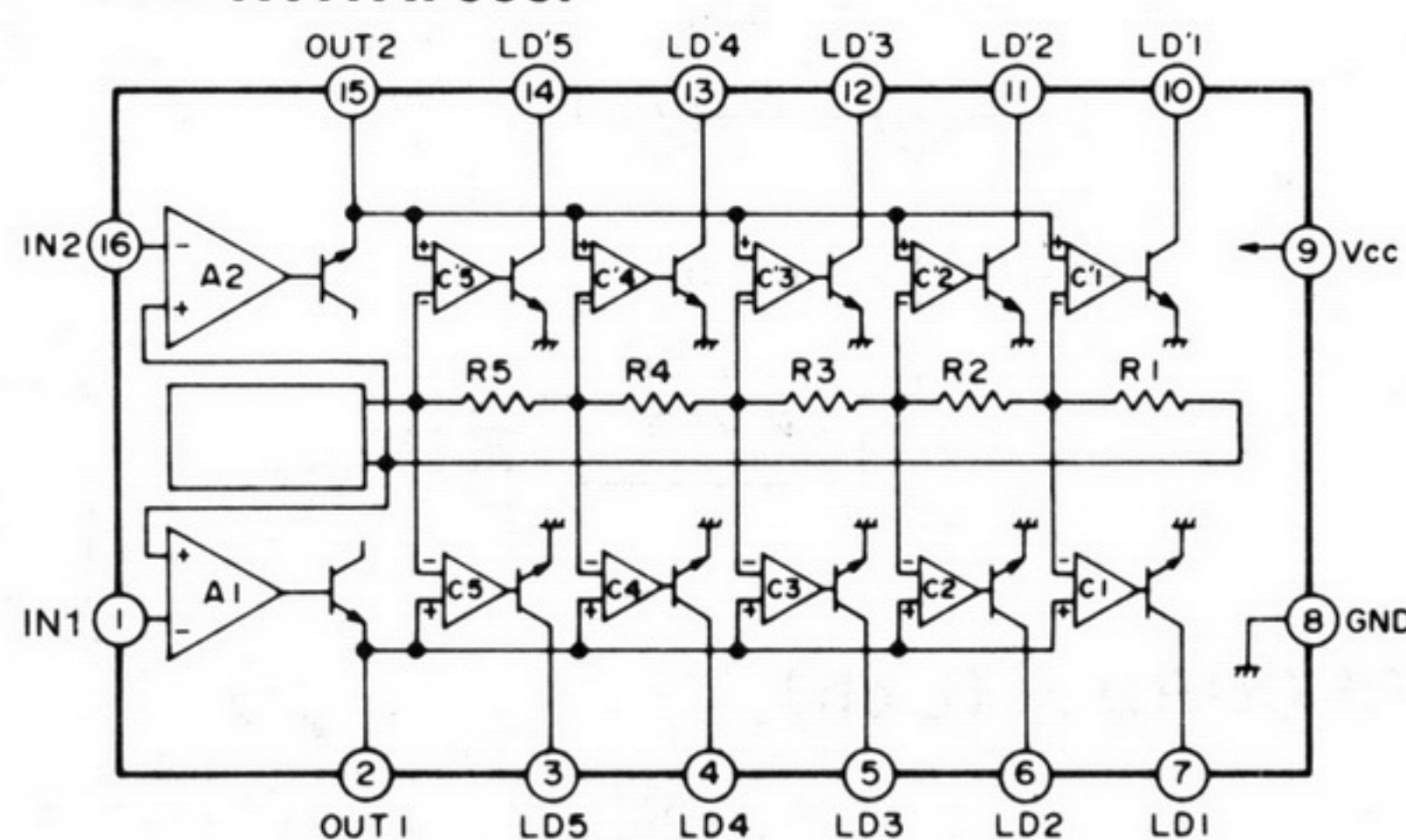
IC3 RVIBA328MR



IC6 RVILA4505



IC8 RVITA7666P



- VR102, 202: Recording current adjustment VR.
- VR103, 203: Bias current adjustment VR.
- VR104, 204: Meter adjustment VR.
- VR105, 205: Bass control.
- VR106, 206: Treble control.
- VR107, 207: Volume control.
- VR301: Erase current adjustment VR. (NORMAL)
- VR302: Erase current adjustment VR. (METAL)
- VR303: Balance control.
- The mark (▼) shows test point. e.g. ▼ = test point 1.
- DC voltage measurement are taken with electronics voltmeter from negative terminal of battery.
< >...FM position, ()...AM position,
()...Recording position,
No mark...Playback position.
- Battery current: No signal 135mA
Maximum output (radio)1.2A
Maximum output (tape)1.3A
- Important safety notice
Components identified by ▲ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

SCHEMATIC DIAGRAM

- + (B) Voltage Line
 Tape (PLAY BACK) Signal Line
 Radio (FM) Signal Line
 Tape (RECORD) Signal Line
- Level Meter Signal Line
 TPS Signal Line
 AMBIENCE Signal Line

