

### 31LT FUNCTION REPORT

DC Voltages and Current into Final Amplifier

| FINAL AMPLIFIER ONLY |      | 9V BATTERY |      |        |
|----------------------|------|------------|------|--------|
|                      | CH:L | M          | H    |        |
| Vce=                 | 4.9  | 4.8        | 4.7  | Voltes |
| Ice =                | 10.1 | 10.8       | 10.6 | mA     |

Function of each electron semiconductor

device or other circuit device

| <u>DESIGNATION</u> | <u>TYPE NO</u> | <u>IC-DIODE</u> | <u>FUNCTION</u>   |
|--------------------|----------------|-----------------|-------------------|
| IC101              | NJM4558MD(1/2) | IC(OP.AMP)      | MIC AF AMP        |
|                    | NJM4558MD(2/2) | IC(OP.AMP)      | LOW PASS FILTER   |
| IC102              | TK10690M       | IC              | COMPRESSOR        |
| IC103              | NJU7201U50     | IC              | VOLTAGE REGULATOR |
| Q101               | 2SK209GR       | FET             | MIC AMP           |
| Q102               | 2SA1162GR      | TRANSISTOR      | POWER SWITCHING   |
| Q103               | 2SC2712Y       | TRANSISTOR      | POWER SWITCHING   |
| Q104               | 2SA1162GR      | TRANSISTOR      | LED CONTROL       |
| Q105               | 2SA1162GR      | TRANSISTOR      | LED CONTROL       |
| Q106               | 2SC2714Y       | TRANSISTOR      | OSC/MOD           |
| Q107               | 2SC3838K       | TRANSISTOR      | RF AMP            |
| Q108               | 2SC3838K       | TRANSISTOR      | RF AMP            |
| Q109               | 2SC3838K       | TRANSISTOR      | FINAL RF AMP      |
| D101               | DA202K         | DIODE           | REVERSE BLOCK     |
| D102               | MA8056         | ZENNER DIODE    | STANDARD VOLTAGE  |
| D103               | SPR-39MVW      | LED             | LED INDICATOR     |
| D104               | DA204K         | DIODE           | REVERSE BLOCK     |
| D105               | HVU306A        | DIODE           | MOD               |