



DISTRIBUTIVE AMPLIFIER

| BILL OF MATERIAL                         |                      | MODEL DA-101   |   |   |   |   |   | PROJ. NO. CE-5107 |   |   |   |   |                     | LIST NO. ML-10128 DA-101 |            |   |                     |
|--|----------------------|--|---|---|---|---|---|-------------------|---|---|---|---|---------------------|--------------------------|------------|---|---------------------|
|  |                      | ISSUE  | A | B | C | D | E | F                 | G | H | J | K | L                   | M                        | N          | P | SHEET 1 OF 7 SHEETS |
| PART NO.                                 | QUAN. PER ONE EQUIP. | DESCRIPTION  |   |   |   |   |   |                   |   |   |   |   |                     |                          | REMARKS    |   |                     |
|  |                      | SECTION I:<br>Electrical Components and Mechanical Parts |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| A-10290                                  | 1                    | ASSEMBLY OSCILLATOR                                      |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| BI-101-47                                | 1                    | LAMP   |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CA-10114                                 | 1                    | LEAD: coaxial (jumper)                                   |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CA-10115                                 | 1                    | HARNESS: meter   |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CA-10124-1                               | 1                    | LEAD: coaxial (input)                                    |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CA-10124-2                               | 10                   | LEAD: coaxial (output)                                   |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CA-10132                                 | 1                    | LEAD: coaxial oscillator injection                       |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CB-10001-1                               | 20                   | CAPACITOR: air trimmer, Rogers 82753/6E4                 |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CC-10002-1                               | 50                   | CAPACITOR: .01 ± 10%, 500 VDC                            |   |   |   |   |   |                   |   |   |   |   |                     |                          | (2)A-10290 |   |                     |
| CC-10003-6                               | 1                    | CAPACITOR: 1.5 uuf, C304AH/KIE5, Rogers                  |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CC-10003-7                               | 1                    | CAPACITOR: 15 uuf, C304AH/B15E, Rogers                   |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CC-10005                                 | 1                    | CAPACITOR: pearl type, 1000 uufd                         |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CE-105-75-15                             | 2                    | CAP, FXD, ELECT  |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CI-10008                                 | 8                    | BEAD: shielding 56/590/65/3B, Rogers                     |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CM20C151K                                | 1                    | CAPACITOR: 150 uufd, ± 10%                               |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CR18/U-1. 000-                           | 1                    | CRYSTAL: quartz 1 mc/s                                   |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CU-101-3                                 | 11                   | HYRING: inner, Burndy, type YIC-156                      |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CU-101-4                                 | 22                   | HYRING: outer, Burndy, type YOC-160                      |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CU-102-5                                 | 1                    | CLAMP: cable   |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CU-139-2B                                | 4                    | FERRULE  |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| CV11C300                                 | 1                    | CAPACITOR: variable                                      |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| DL-10007                                 | 2                    | DELAY LINE   |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| EY-100-1                                 | 2                    | RIVET  |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| EY-102-2                                 | 2                    | GROMMET  |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| EY-102-3                                 | 1                    | GROMMET  |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| EY-102-6                                 | 1                    | GROMMET  |   |   |   |   |   |                   |   |   |   |   |                     |                          |            |   |                     |
| ↑ APPLICABLE SPECIFICATIONS, LAST PAGE ↑ |                      | CHECKED  |   |   |   |   |   |                   |   |   |   |   | APPROVED <i>Joe</i> |                          |            |   |                     |

OTTAWA, ONTARIO

TMC(Canada) LIMITED

DISTRIBUTIVE AMPLIFIER

| BILL OF MATERIAL                         |                      | MODEL DA-101                             |   |   |   |   |   |   |   |   |   | PROJ. NO. CE-5107 |   |   |   |                           | LIST NO. <del>ML-10128</del> DA-101 |  |
|--|----------------------|--|---|---|---|---|---|---|---|---|---|-------------------|---|---|---|---------------------------|-------------------------------------|--|
|  |                      | ISSUE                                    | A | B | C | D | E | F | G | H | J | K                 | L | M | N | P                         | SHEET 2 OF 7 SHEETS                 |  |
| PART NO.                                 | QUAN. PER ONE EQUIP. | DESCRIPTION                              |   |   |   |   |   |   |   |   |   |                   |   |   |   | REMARKS                   |                                     |  |
| FP-109                                   | 1                    | CLAMP: xtal                              |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| FX-10011                                 | 1                    | FILTER: low pass - see ML-10102          |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| HA-102-2BN                               | 2                    | HANDLE                                   |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| HB-101-2                                 | 1                    | PLUG: button                             |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| IN-478                                   | 11                   | DIODE: germanium                         |   |   |   |   |   |   |   |   |   |                   |   |   |   | (1)A-10290                |                                     |  |
| LD-10124 TMC                             | 1                    | PANEL: front - TMC grey                  |   |   |   |   |   |   |   |   |   |                   |   |   |   | Ref: MS-10474             |                                     |  |
| LD-10131 <sup>sh1</sup> & 2              | 1                    | CHASSIS: silk screened                   |   |   |   |   |   |   |   |   |   |                   |   |   |   | Ref: MS-10470 sheet 1 & 2 |                                     |  |
| LD-10137                                 | 1                    | MOUNTING BOARD: oscillator (PP10077)     |   |   |   |   |   |   |   |   |   |                   |   |   |   | P.O. A-10290              |                                     |  |
| MR-10001                                 | 1                    | METER                                    |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MP-100-4                                 | 1                    | Knob                                     |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-3057-8                                | 2                    | CLAMP: MS3057-8, Amphenol                |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS3102A-16S-1P                           | 1                    | CONNECTOR: male, chassis mounting, 7 pin |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS3106B-16S-1P                           | 1                    | PLUG: male, 7 pin                        |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS3108B-16S-1S                           | 1                    | PLUG: female, right angle, 7 pin         |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS3420-8A                                | 2                    | BUSHING: Bendex                          |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10316                                 | 1                    | SCREEN                                   |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10317                                 | 1                    | SHIELD                                   |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10469                                 | 1                    | BARRIER                                  |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10471                                 | 1                    | BRACKET: mounting for potentiometer      |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10473L                                | 1                    | BRACKET: left side                       |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10473R                                | 1                    | BRACKET: right side                      |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10475                                 | 1                    | BOTTOM                                   |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10477-1                               | 2                    | SHIELD STRIPPING: rear and front         |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MS-10477-2                               | 2                    | SHIELD STRIPPING: side                   |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC22(7)U0                               | 16"                  | Wire:#22,Black                           |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC16(19)U0                              | 8'                   | WIRE: # 16, black                        |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC16(19)U1                              | 11'                  | WIRE: # 16, brown                        |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC18(16)U8                              | 16'                  | WIRE: # 18, grey                         |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC22(7)U1                               | 6'                   | WIRE: # 22, brown                        |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC22(7)U2                               | 12'                  | WIRE: # 22, red                          |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC22(7)U4                               | 11'                  | WIRE: # 22, yellow                       |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC22(7)U6                               |                      | WIRE: # 22, blue                         |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| MWC22(7)U5                               | 3"                   | Wire:#22,Green                           |   |   |   |   |   |   |   |   |   |                   |   |   |   |                           |                                     |  |
| ↑ APPLICABLE SPECIFICATIONS, LAST PAGE ↓ |                      | CHECKED                                  |   |   |   |   |   |   |   |   |   |                   |   |   |   | APPROVED <i>TMC</i>       |                                     |  |

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DISTRIBUTIVE AMPLIFIER

| BILL OF MATERIAL |                      | MODEL DA-101                                   |   |   |   |   | PROJ. NO. CE-5107 |   |   |   |   | LIST NO. ML-10128 DA-101   |   |   |   |
|------------------|----------------------|--|---|---|---|---|-------------------|---|---|---|---|--|---|---|---|
|                  |                      | ISSUE  | A | B | C | D | E                 | F | G | H | J | K  | L | M | N |
| PART NO.         | QUAN. PER ONE EQUIP. | DESCRIPTION                                    |   |   |   |   |                   |   |   |   |   | REMARKS  |   |   |   |
| MWC22(7)U7       | 1'                   | WIRE: # 22, purple                             |   |   |   |   |                   |   |   |   |   | Canadian Nameplate<br>American Nameplate<br>" " "<br>" " "<br>Canadian Nameplate |   |   |   |
| MWC22(7)U9       |                      | WIRE: # 22, white                              |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U90      | 10'                  | WIRE: # 22, white/black                        |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U91      | 9'                   | WIRE: # 22, white/brown                        |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U92      |                      | WIRE: # 22, white/red                          |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U93      | 1'                   | WIRE: # 22, white/orange                       |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U94      |                      | WIRE: # 22, white/yellow                       |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U95      |                      | WIRE: # 22, white/green                        |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U96      |                      | WIRE: # 22, white/blue                         |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U97      | 1'                   | WIRE: # 22, white/purple                       |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U98      |                      | WIRE: # 22, white/grey                         |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| NP-10083-501     | 1                    | NAMEPLATE: DA-101                              |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| NP-196-6         | 1                    | NAMEPLATE: DA-101                              |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| NP-196-7         | 1                    | NAMEPLATE: LMC-10                              |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| NP-354           | 1                    | NAMEPLATE: identification                      |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| NP-10083-500     | 1                    | NAMEPLATE: LMC-10                              |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| PX-100-1-.375    | 8'                   | SLEEVING: insulation, 3/8 I.D.                 |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| MWC22(7)U8       | 44"                  | Wire: #22, Grey (4 1/2)                        |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC20GF102J       | 10                   | RESISTOR: carbon 1 K ohm $\pm$ 5%, 1/2 watt    |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC20GF222J       | 1                    | RESISTOR: carbon 2.2 K ohm $\pm$ 5%, 1/2 watt  |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC20GF271J       | 1                    | RESISTOR: carbon 270 ohm $\pm$ 5%, 1/2 watt    |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC20GF822J       | 1                    | RESISTOR: carbon 8.2 K ohm $\pm$ 5%, 1/2 watt  |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC20GF104K       | 1                    | RESISTOR: carbon 100 K ohm $\pm$ 10%, 1/2 watt |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC20GF474K       | 2                    | RESISTOR: carbon 470Kohm $\pm$ 10%, 1/2 watt   |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| PX-104-1-034     | 3 1/2"               | Insulation, Sleeveing, Black                   |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC32GF180J       | 1                    | RESISTOR: carbon 18 ohm $\pm$ 5%, 1 watt       |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC32GF222J       | 1                    | RESISTOR: carbon 2.2 K ohm $\pm$ 5%, 1 watt    |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RC32GF681J       | 10                   | RESISTOR: carbon 680 ohm $\pm$ 5%, 1 watt      |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| PX-104-3-034     | 1 1/2"               | Insulation, Sleeveing, Red                     |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RG-59/U          |                      | CABLE: coaxial                                 |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| PX-100-1-106     | 3 1/2"               | Insulation Sleeveing, Black                    |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RN70B5100F       | 2                    | RESISTOR: 510 ohm $\pm$ 1%, 1/2 watt           |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RN75B4300F       | 10                   | RESISTOR: 430 ohm $\pm$ 1%, 1 watt             |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RV4LAYS A 500A   | 1                    | POTENTIOMETER: 50 ohm 2 watt                   |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| RV-10002-9       | 1                    | POTENTIOMETER: 50 K ohm                        |   |   |   |   |                   |   |   |   |   |  |   |   |   |
| S0-239           | 11                   | CONNECTOR: amphenol                            |   |   |   |   |                   |   |   |   |   |  |   |   |   |

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## DISTRIBUTIVE AMPLIFIER

| MATERIAL LIST     |               | REV.   | A    | B             | C                | D     | E                              | F | G | H | J | K | L | M | N | P | MODEL DA-101 |
|-------------------|---------------|--|------|---------------|------------------|-------|--------------------------------|---|---|---|---|---|---|---|---|---|--------------|
|                   |               |  |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   | SHEET 4 OF 7 |
| QUAN.<br>PER UNIT | PART NO.      | DESCRIPTION  | REF. | ITEM LOCATION |                  |       | REF. SYMBOLS<br>AND/OR REMARKS |   |   |   |   |   |   |   |   |   |              |
|                   |               |  |      | USED ON       | USED TO<br>MOUNT | QUAN. |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | SW-10018      | SWITCH: rotary, (Centralab PA-2013)                |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | SW-10020      | SWITCH: momentary                                  |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 4                 | TE-117-71     | Spacer   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 42                | TE-102-2      | STANDOFF   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 2                 | TE-108-15     | SPACER   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 2                 | TE-117-21     | SPACER   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 26                | TE-10003-1    | TERMINAL: solder                                   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 2                 | TE-10010      | WIRING: Burndy, type YEC-130                       |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 17                | TE-10011-2    | SOLDER LUG   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 4                 | TE-10013-1    | SPACER   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | TE-104-2      | TERMINAL, LOCKING                                  |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | TR-084        | TRANSFORMER: preamplifier output                   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | TR-085        | TRANSFORMER: line driver                           |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | TR-086        | TRANSFORMER: input                                 |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 10                | TR-087        | TRANSFORMER: output                                |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 2                 | TE-104-5      | TERMINAL, LOCKING                                  |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 20                | TS-102-P01    | SOCKET: 7 pin                                      |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 3                 | TS-103-P01    | SOCKET: 9 pin                                      |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | TS-103-U02    | SHIELD: tube, nickel                               |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | TS-104-2      | HOLDER: crystal                                    |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | TS-106-1      | SOCKET: lamp                                       |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 20                | TS-128-2      | SHIELD: tube, heat dissipating, IERC<br>#TR5-5020B |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 2                 | TS-128-4      | SHIELD: tube, heat dissipating, IERC<br>#TR6-6015B |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 11                | UG-177/U      | HOOD   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 2                 | UG-260/U      | CONNECTOR: amphenol                                |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 2                 | UG-625B/U     | CONNECTOR: coaxial, BNC type                       |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 74"               | WI-1003       | WIRE   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
|                   | WI-10002-2    | WIRE: #28, heavy soldereze                         |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
|                   | WI-129-21-547 | CABLE: coaxial, subminax 21-597                    |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 20                | 6C4           | TUBE   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 2                 | 5842/417A     | TUBE   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |
| 1                 | 6922/6DJ8     | TUBE   |      |               |                  |       |                                |   |   |   |   |   |   |   |   |   |              |

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, NEW YORK

DISTRIBUTIVE AMPLIFIER

BILL OF MATERIAL MODEL DA-101 PROJ. NO. CE-5107 LIST NO. ML-10128 DA-101  
 ISSUE A B C D E F G H J K L M N P SHEET 5 OF 7 SHEETS

OTTAWA, ONTARIO TMC(Canada)LIMITED

| PART NO.                    | QUAN. PER ONE EQUIP. | DESCRIPTION                            | REMARKS |
|-----------------------------|----------------------|--|---------|
| <u>SECTION II: HARDWARE</u> |                      |  |         |
| FW-08HBN                    | 1                    | WASHER: flat                           |         |
| FW-06HBN                    | 1                    | WASHER: flat                           |         |
| LWEO6MRN                    | 14                   | WASHER                                 |         |
| LWE10MRN                    | 4                    | WASHER                                 |         |
| LWE08MRN                    | 4                    | Lockwasher,EXTERNAL                    |         |
| LWIO4MRN                    | 88                   | WASHER                                 |         |
| LWS03MRN                    | 6                    | LOCKWASHER,SPLIT                       |         |
| LWSO4MRN                    | 54                   | WASHER                                 |         |
| LWSO6MRN                    | 8                    | WASHER                                 |         |
| LWSO8MRN                    | 6                    | WASHER                                 |         |
| NTH0256BN6                  | 2                    | NUT,HEXAGON                            |         |
| NT-101-4                    | 20                   | NUT STRAP                              |         |
| NT-101-5                    | 3                    | NUT STRAP                              |         |
| NT-108-2                    | 21                   | NUT                                    |         |
| NT-129-524-4                | 2                    | NUT: swage type                        |         |
| NTH0440BN6                  | 52                   | NUT,HEXAGON                            |         |
| NTH0440BN8                  | 5                    | NUT: 4-40                              |         |
| NTH0632BN8                  | 37                   | NUT: 6-32                              |         |
| NTH0832BN11                 | 10                   | NUT: 8-32                              |         |
| NTH1032BN12                 | 1                    | NUT                                    |         |
| NTH0632BN10                 | 1                    | NUT,HEXAGON                            |         |
| SC-110-1                    | 8                    | SCREW: 2-56 self tapping for nameplate |         |
| SCBP0256BN8                 | 2                    | SCREW,MACHINE                          |         |
| SCBS0440BN5                 | 46                   | SCREW: 4-40                            |         |
| SCBS0440BN6                 | 3                    | SCREW: 4-40                            |         |
| SCBS0440BN7                 | 1                    | SCREW: 4-40                            |         |
| SCBS0440BN10                | 2                    | SCREW: 4-40                            |         |
| SCBS0440BN20                | 4                    | SCREW: 4-40                            |         |
| SCBS0632BN5                 | 5                    | SCREW: 6-32                            |         |
| SCBS0632BN6                 | 13                   | SCREW: 6-32                            |         |
| SCBS0832BN5                 | 4                    | SCREW: 8-32                            |         |
| SCBS0832BN7                 | 3                    | SCREW: 8-32                            |         |
| SCBS0832BN8                 | 6                    | SCREW: 8-32                            |         |
| SCBS1032BN10                | 4                    | SCREW: 10-32                           |         |
| SCBP0440BN9                 | 1                    | SCREW,MACHINE                          |         |
| SCFS0440BN4                 | 10                   | SCREW: 4-40                            |         |
| SCBP0632BN7                 | 4                    | SCREW,MACHINE                          |         |

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DISTRIBUTIVE AMPLIFIERS

BILL OF MATERIAL

MODEL DA-101

PROJ. NO. CE-5107

LIST NO. ML-10128 DA-101

ISSUE A B C D E F

G H J K L M N P

SHEET 6 OF 7 SHEETS

PART NO.

QUAN.  
PER  
ONE  
EQUIP.

DESCRIPTION

REMARKS

SCBP0440BN4  
WA-109-17

78  
14

SCREW, MACHINE  
WASHER

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| BILL OF MATERIAL                        |                      | MODEL DA-101                         |   |   |   |   | PROJ. NO. CE-5107 |   |   |   |   | LIST NO. ML-10128 DA-101 |           |   |   |   |                     |
|---|----------------------|--------------------------------------|---|---|---|---|-------------------|---|---|---|---|--------------------------|-----------|---|---|---|---------------------|
|   |                      | ISSUE                                | A | B | C | D | E                 | F | G | H | J | K                        | L         | M | N | P | SHEET 7 OF 9 SHEETS |
| PART NO.                                | QUAN. PER ONE EQUIP. | DESCRIPTION                          |   |   |   |   |                   |   |   |   |   | REMARKS                  | Drg. Size |   |   |   |                     |
| <u>SECTION III: SUPPORTING DRAWINGS</u> |                      |                                      |   |   |   |   |                   |   |   |   |   |                          |           |   |   |   |                     |
| A-10290                                 |                      | ASSEMBLY: oscillator                 |   |   |   |   |                   |   |   |   |   |                          | 2         |   |   |   |                     |
| A-10293                                 |                      | ASSEMBLY: DRAWING: metering, switch  |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| CA-10114                                |                      | LEAD: coaxial (jumper)               |   |   |   |   |                   |   |   |   |   |                          | 2         |   |   |   |                     |
| CA-10115                                |                      | HARNESS: meter                       |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| CA-10124                                |                      | CABLE ASSEMBLY INPUT OUTPUT          |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| CA-10126                                |                      | HARNESS: to output stages            |   |   |   |   |                   |   |   |   |   |                          | 2         |   |   |   |                     |
| CA-10127                                |                      | HARNESS: oscillator and preamplifier |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| CA-10132                                |                      | LEAD: coaxial, oscillator injection  |   |   |   |   |                   |   |   |   |   |                          | 2         |   |   |   |                     |
| CA-10133                                |                      | CABLE: interconnect                  |   |   |   |   |                   |   |   |   |   |                          | 2         |   |   |   |                     |
| CK-10392                                |                      | SCHEMATIC DIAGRAM: DA-101            |   |   |   |   |                   |   |   |   |   |                          |           |   |   |   |                     |
| DL-10007                                |                      | DELAY LINE                           |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| LD-10124                                |                      | ENGRAVING DETAILS FRONT PANEL        |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| LD-10131                                | Sh. 1                | STAMPING DETAILS: top and rear       |   |   |   |   |                   |   |   |   |   |                          | 8         |   |   |   |                     |
| LD-10135                                | Sh. 2                | STAMPING DETAILS: bottom             |   |   |   |   |                   |   |   |   |   |                          | 8         |   |   |   |                     |
| LD-10137                                |                      | STAMPING DETAILS: oscillator board   |   |   |   |   |                   |   |   |   |   |                          | 1         |   |   |   |                     |
| ML-10117                                |                      | MATERIAL LIST: TR-86                 |   |   |   |   |                   |   |   |   |   |                          | 1         |   |   |   |                     |
| ML-10118                                |                      | MATERIAL LIST: TR-84                 |   |   |   |   |                   |   |   |   |   |                          | 1         |   |   |   |                     |
| ML-10119                                |                      | MATERIAL LIST: TR-85                 |   |   |   |   |                   |   |   |   |   |                          | 1         |   |   |   |                     |
| ML-10120                                |                      | MATERIAL LIST: TR-87                 |   |   |   |   |                   |   |   |   |   |                          | 1         |   |   |   |                     |
| MS-10316                                |                      | SCREEN                               |   |   |   |   |                   |   |   |   |   |                          | 2         |   |   |   |                     |
| MS-10317                                |                      | SHIELD                               |   |   |   |   |                   |   |   |   |   |                          | 1         |   |   |   |                     |
| MS-10469                                |                      | BARRIER                              |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| MS-10470                                |                      | CHASSIS                              |   |   |   |   |                   |   |   |   |   |                          | 8         |   |   |   |                     |
| MS-10470                                |                      | CHASSIS                              |   |   |   |   |                   |   |   |   |   | (sheet 1)                | 4         |   |   |   |                     |
| MS-10471                                |                      | BRACKET MOUNTING FOR POTENTIOMETER   |   |   |   |   |                   |   |   |   |   | (sheet 2)                | 1         |   |   |   |                     |
| MS-10473                                |                      | BRACKET SIDE                         |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| MS-10474                                |                      | FRONT PANEL                          |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| MS-10475                                |                      | COVER CHASSIS                        |   |   |   |   |                   |   |   |   |   |                          | 4         |   |   |   |                     |
| MS-10477                                |                      | SHIELD STRIPPING                     |   |   |   |   |                   |   |   |   |   |                          | 2         |   |   |   |                     |
| PP-10077                                |                      | MOUNTING BOARD: oscillator           |   |   |   |   |                   |   |   |   |   |                          | 1         |   |   |   |                     |

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REVISION SHEET

TMC(CANADA) LIMITED  
OTTAWA ONTARIO

ML-10128 DA-101

MODEL - DA-101 - - - PROJECT NO. - CE-5107 - - -

13VC

| DATE     | REV. | PAGE | ITEM | DESCRIPTION   | REMARKS | CHK. | APP. |
|----------|------|------|------|---|---------|------|------|
| 16/9/60  | A    | 5    |      | Material Lists for Transformers added   |         |      |      |
| 30/9/60  | B    |      |      | Complete Revision   |         | hh.  |      |
| 5/10/60  | C    | 4    |      | TR-081A changed to TR-086<br>TR-082A changed to TR-087  |         | M.B. |      |
| 7/10/60  | D    | 3    |      | RC30GF180J changed to RC32GF180J<br>RC30GF222J changed to RC32GF222J<br>RC30GF681J changed to RC32GF681J<br>RV4ATXA500A changed to RV4LAYSA500A<br>SW-10020 added |         | M.B. |      |
|          |      |      |      | TS102U02P35 "black" added   |         |      |      |
|          |      |      |      | TS103U01P35- "black" added  |         |      |      |
|          |      |      |      | FW-100-3 changed to FW-08HBN  |         |      |      |
| 15/11/60 | E    |      |      | Retyped and additional alterations:   |         |      |      |
|          |      |      |      | SECTION I   |         |      |      |
|          |      | 1    |      | A-10290 Osc. Assy. added  |         |      |      |
|          |      | 1    |      | CA-10132 Lead: coaxial, osc. injection added  |         |      |      |
|          |      | 2    |      | MS-10474 Panel: front changed to LD-10124 TMC panel grey refer MS-10474   |         |      |      |
|          |      | 2    |      | MS-10470 Chassis, changed to LD-10131   |         |      |      |
|          |      | 2    |      | LD-10137 added.   |         |      |      |
|          |      | 2/3  |      | In all MWC --part numbers change "J" to "U"   |         |      |      |
|          |      | 3    |      | MWC-22(7)U6 added   |         |      |      |
|          |      | 3    |      | MWC-22(7)U9 added   |         |      |      |
|          |      | 3    |      | MWC-22(7)U92 added  |         |      |      |
|          |      | 3    |      | MWC-22(7)U94 added  |         |      |      |
|          |      | 3    |      | MWC-22(7)U95 added  |         |      |      |
|          |      | 3    |      | MWC-22(7)U96 added  |         |      |      |
|          |      | 3    |      | MWC-22(7)U98 added  |         |      |      |
|          |      | 3    |      | RG59/U cable added  |         |      |      |
|          |      | 3    |      | RN70B5110F changed to RN70B5100F  |         |      |      |
|          |      | 4    |      | TE-108-13 added   |         |      |      |
|          |      | 4    |      | TE-112-28 changed to TE-10013-1   |         |      |      |
|          |      | 4    |      | TE-10003 added  |         |      |      |
|          |      | 4    |      | TE-10007 changed to CU-101-4  |         |      |      |

REVISION SHEET

TMC(CANADA) LIMITED  
OTTAWA ONTARIO

ML-~~1012~~ DA-101

MODEL -- DA-101 -- -- PROJECT NO. -- GE-5107 -- --

*MS*

| DATE     | REV. | PAGE | ITEM | DESCRIPTION                                | REMARKS                          | CHK. | APP. |
|----------|------|------|------|--|----------------------------------|------|------|
| 15/11/60 |      | 4    |      | TE-10008 changed to CU-101-3               |                                  |      |      |
|          |      | 5    |      | WI-10002-2 added                           |                                  |      |      |
|          |      | 5    |      | WI-10008 added                             |                                  |      |      |
|          |      |      |      | <u>SECTION II</u>                          |                                  |      |      |
|          |      | 4    |      | FW-100-3 changed to FW-08HBN               |                                  |      |      |
|          |      | 5    |      | WA-107-17 changed to WA-109-17             |                                  |      |      |
|          |      |      |      | <u>SECTION III</u>                         |                                  |      |      |
|          |      | 6    |      | A-10290 added                              |                                  |      |      |
|          |      | 6    |      | A-10293 added                              |                                  |      |      |
|          |      | 6    |      | CA-10115 added                             |                                  |      |      |
|          |      | 6    |      | CA-10132 added                             |                                  |      |      |
|          |      | 6    |      | CA-10133 added                             |                                  |      |      |
|          |      | 6    |      | CA-10126 added                             | (two drawings size 2 and size 4) |      |      |
|          |      | 6    |      | CK-10392 added                             |                                  |      |      |
|          |      | 6    |      | LD-10131 added                             |                                  |      |      |
|          |      | 6    |      | LD-10133 added                             |                                  |      |      |
|          |      | 6    |      | LD-10137 added                             |                                  |      |      |
|          |      | 7    |      | TR-081A changed to TR-086                  |                                  |      |      |
|          |      | 7    |      | TR-082A changed to TR-087                  |                                  |      |      |
|          |      | 7    |      | MS-10316 added                             |                                  |      |      |
|          |      | 7    |      | MS-10317 added                             |                                  |      |      |
|          |      | 7    |      | PP-10077 added                             |                                  |      |      |
|          |      | 5    |      | NT-108-1 changed to NT-108-2               |                                  |      |      |
|          |      |      |      | <u>SECTION IV</u>                          |                                  |      |      |
|          |      | 7    |      | CA-10133 added                             |                                  |      |      |
|          |      | 7    |      | CU-120-4 added                             |                                  |      |      |
|          |      | 7    |      | MS3106B-16S-1P added                       |                                  |      |      |
|          |      | 7    |      | MS3420-8A added                            |                                  |      |      |
| 21/11/60 |      | 7    |      | CU-120-4 superceded by MS-3057-8           |                                  |      |      |
| 10/1/61  | F    |      |      | Completely retyped                         |                                  |      |      |
|          |      |      |      | NP-10083-500 (Nameplate LMC-10) added      |                                  |      |      |
|          |      |      |      | NP-10083-501 (Nameplate DA-101) added      |                                  |      |      |
| 19/1/61  | G    | 5    |      | FW-06MRN added                             |                                  |      |      |
| 16/5/61  | H    | 4    |      | TS-103-U02 added Qty. 1                    |                                  |      |      |
| 7/6/62   | J    | 7    |      | Section IV: Loose Items completely removed |                                  |      |      |
|          |      |      |      | LD-10133 changed to LD-10131 Sh. 2         |                                  |      |      |

*M.K.*

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*NK/hh. M.K.*

*JC/hh. M.K.*

