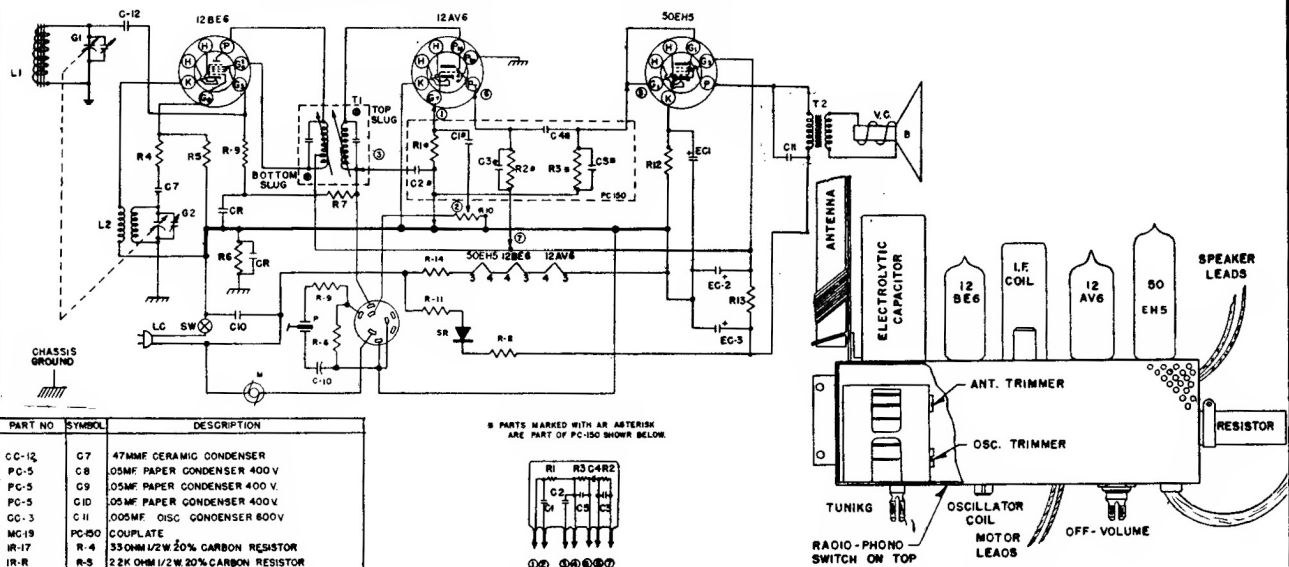
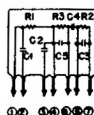


# TRAVLER MODEL 48-314



| PART NO. | SYMBOL | DESCRIPTION                         |
|----------|--------|-------------------------------------|
| GC-12    | C7     | 47MMF CERAMIC CONDENSER             |
| PC-5     | C8     | .05MF PAPER CONDENSER 400 V         |
| PC-5     | C9     | .05MF PAPER CONDENSER 400 V         |
| PC-5     | C10    | .05MF PAPER CONDENSER 400 V         |
| GC-3     | C11    | .005MF OISC CONDENSER 800V          |
| PC-150   |        | COUPLATE                            |
| IR-17    | R-4    | 330HM 1/2W 20% CARBON RESISTOR      |
| IR-18    | R-5    | 22K OHM 1/2W 20% CARBON RESISTOR    |
| IR-20    | R-6    | 220K OHM 1/2W 20% CARBON RESISTOR   |
| IR-23    | R-7    | 33K OHM 1/2W 20% CARBON RESISTOR    |
| IR-41    | R-8    | 47 OHM 1W 10% CARBON RESISTOR       |
| IR-12    | R-9    | 1MEGOHM 1/2W 20% CARBON RESISTOR    |
| GC-33    | G-12   | 220MFD 500V 20% CERAMIC TUB COND.   |
| VC-64    | W-10   | 1MEGOHM VOLUME CONTROL              |
| IR-17    | R-11   | 330HM 1/2W 20% CARBON RESISTOR      |
| IR-14    | R-12   | 150 OHM 1/2W 20% CARBON RESISTOR    |
| IR-25    | R-13   | 2200 OHM 1W 10% CARBON RESISTOR     |
| EG-71A   | EG-1   | 20MF-150WVDC ELECTROLYTIC CONDENSER |
| EG-71A   | EG-2   | 30MF-150WVDC ELECTROLYTIC CONDENSER |
| EG-71A   | EG-3   | 40MF-150WVDC ELECTROLYTIC CONDENSER |
| GC-1     | LC     | AC LINE CORD                        |
| GC-15    | G1     | ANT SECTION-WITH TRIMMER GANG       |
| GC-15    | G2     | OSC SECTION-WITH TRIMMER CONDENSER  |
| LL-55    | L1     | FERRIC ROD ANTENNA COIL             |
| LO-28    | L2     | OSCILLATOR COIL                     |
| LI-12    | L3     | 455 KC TAPPED PRIMARY-IF COIL       |
| SW       | S      | SPST SWITCH(PART OF VOLUME CONTROL) |
| TR-2     | T-2    | OUTPUT TRANSFORMER                  |
| VC       | VC     | VOICE COIL WINDING                  |
| SPK-22-C | S      | SPEAKER                             |

8 PARTS MARKED WITH AN ASTERISK ARE PART OF PC-150 SHOWN BELOW.

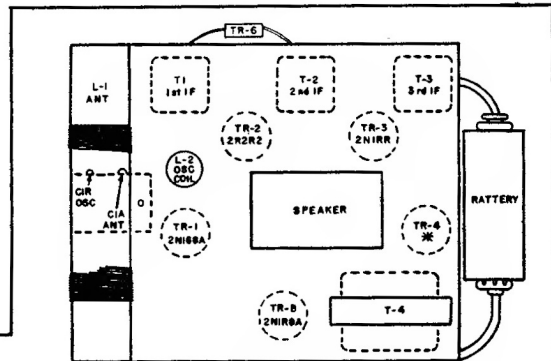


COMPONENTS & VALUES OF PC-150

C1-1000MMF  
C2-220MMF  
C3-150MMF  
C4-1000MMF  
R1-6.8MEGOHM  
R2-47MEGOHM  
R3-ATMEGOHM

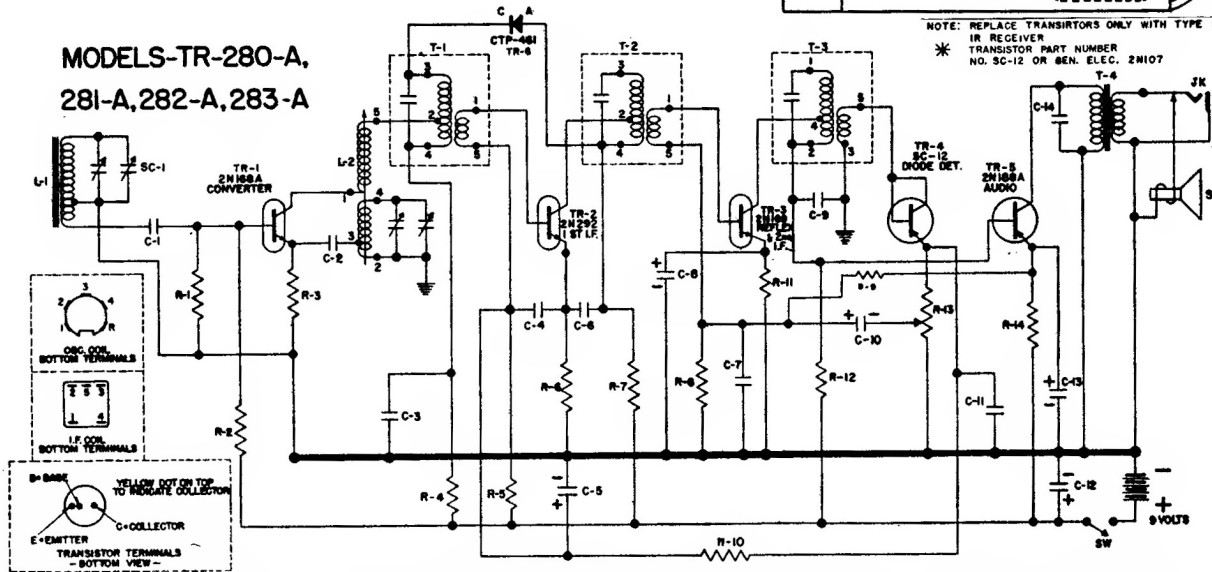
| PART NO. | SYMBOL | DESCRIPTION                        |
|----------|--------|------------------------------------|
| 3-M-13   | M      | 100 V. MOTOR-3 SPEED               |
| PU-34    | P      | PICKUP UP ARM BSR-TC-R-M CARTRIDGE |
| WR-47    | R-14   | 280 OHM-10 W. 5% WIREWOUND         |
| SR-3     | SR     | 68 ML. RECTIFIER                   |

I.F. 455 KC.



NOTE: REPLACE TRANSISTORS ONLY WITH TYPE FOUND IN RECEIVER  
TRANSISTOR PART NUMBER NO. SC-12 OR GEN. ELEC. 2N107

## MODELS-TR-280-A, 281-A, 282-A, 283-A



| PART NO. | SYMBOL | DESCRIPTION  | PART NO. | SYMBOL | DESCRIPTION                       | PART NO. | SYMBOL | DESCRIPTION              |
|----------|--------|--------------|----------|--------|-----------------------------------|----------|--------|--------------------------|
| GC-85    | C-1    | DERAMIC DISC | IR-64    | R-1    | 10K OHMS 1/2W 10% CARBON RESISTOR | LI-23    | T-1    | 1W 500V L.F. TRANSFORMER |
| GC-85    | C-2    | DERAMIC DISC | IR-158   | R-2    | 33K                               | LI-23    | T-2    | 2ND                      |
| GC-85    | C-3    | DERAMIC DISC | IR-158   | R-3    | 1500                              | LI-23    | T-3    | 3RD                      |
| GC-85    | C-4    | DERAMIC DISC | IR-158   | R-4    | 470                               | AT-33    | T-4    | 4TH                      |
| GC-85    | C-5    | DERAMIC DISC | IR-158   | R-5    | 82K                               | TR-1     | TR-1   | 2N 282 1ST IF            |
| GC-85    | C-6    | DERAMIC DISC | IR-158   | R-6    | 330                               | SC-9     | SC-9   | 2N 108 2ND IF            |
| GC-85    | C-7    | DERAMIC DISC | IR-158   | R-7    | 4700                              | SC-10    | SC-10  | 2N 108 3RD IF            |
| GC-85    | C-8    | DERAMIC DISC | IR-158   | R-8    | 4700                              | TR-2     | TR-2   | 2N 108 4TH IF            |
| GC-85    | C-9    | DERAMIC DISC | IR-158   | R-9    | 30K                               | TR-3     | TR-3   | 2N 108 5TH IF            |
| GC-85    | C-10   | DERAMIC DISC | IR-158   | R-10   | 30K                               | TR-4     | TR-4   | 2N 108 6TH IF            |
| GC-85    | C-11   | DERAMIC DISC | IR-158   | R-11   | 470                               | TR-5     | TR-5   | 2N 108 7TH IF            |
| GC-85    | C-12   | DERAMIC DISC | IR-158   | R-12   | 470                               | TR-6     | TR-6   | 2N 108 8TH IF            |
| GC-85    | C-13   | DERAMIC DISC | IR-158   | R-13   | 1500                              | TR-7     | TR-7   | 2N 108 9TH IF            |
| GC-85    | C-14   | DERAMIC DISC | IR-158   | R-14   | 470                               | TR-8     | TR-8   | 2N 108 10TH IF           |
| GC-85    | C-15   | DERAMIC DISC | IR-158   | R-15   | 470                               | TR-9     | TR-9   | 2N 108 11TH IF           |
| GC-85    | C-16   | DERAMIC DISC | IR-158   | R-16   | 470                               | TR-10    | TR-10  | 2N 108 12TH IF           |
| GC-85    | C-17   | DERAMIC DISC | IR-158   | R-17   | 470                               | TR-11    | TR-11  | 2N 108 13TH IF           |
| GC-85    | C-18   | DERAMIC DISC | IR-158   | R-18   | 470                               | TR-12    | TR-12  | 2N 108 14TH IF           |
| GC-85    | C-19   | DERAMIC DISC | IR-158   | R-19   | 470                               | TR-13    | TR-13  | 2N 108 15TH IF           |
| GC-85    | C-20   | DERAMIC DISC | IR-158   | R-20   | 470                               | TR-14    | TR-14  | 2N 108 16TH IF           |
| GC-85    | C-21   | DERAMIC DISC | IR-158   | R-21   | 470                               | TR-15    | TR-15  | 2N 108 17TH IF           |
| GC-85    | C-22   | DERAMIC DISC | IR-158   | R-22   | 470                               | TR-16    | TR-16  | 2N 108 18TH IF           |
| GC-85    | C-23   | DERAMIC DISC | IR-158   | R-23   | 470                               | TR-17    | TR-17  | 2N 108 19TH IF           |
| GC-85    | C-24   | DERAMIC DISC | IR-158   | R-24   | 470                               | TR-18    | TR-18  | 2N 108 20TH IF           |
| GC-85    | C-25   | DERAMIC DISC | IR-158   | R-25   | 470                               | TR-19    | TR-19  | 2N 108 21TH IF           |
| GC-85    | C-26   | DERAMIC DISC | IR-158   | R-26   | 470                               | TR-20    | TR-20  | 2N 108 22TH IF           |
| GC-85    | C-27   | DERAMIC DISC | IR-158   | R-27   | 470                               | TR-21    | TR-21  | 2N 108 23TH IF           |
| GC-85    | C-28   | DERAMIC DISC | IR-158   | R-28   | 470                               | TR-22    | TR-22  | 2N 108 24TH IF           |
| GC-85    | C-29   | DERAMIC DISC | IR-158   | R-29   | 470                               | TR-23    | TR-23  | 2N 108 25TH IF           |
| GC-85    | C-30   | DERAMIC DISC | IR-158   | R-30   | 470                               | TR-24    | TR-24  | 2N 108 26TH IF           |
| GC-85    | C-31   | DERAMIC DISC | IR-158   | R-31   | 470                               | TR-25    | TR-25  | 2N 108 27TH IF           |
| GC-85    | C-32   | DERAMIC DISC | IR-158   | R-32   | 470                               | TR-26    | TR-26  | 2N 108 28TH IF           |
| GC-85    | C-33   | DERAMIC DISC | IR-158   | R-33   | 470                               | TR-27    | TR-27  | 2N 108 29TH IF           |
| GC-85    | C-34   | DERAMIC DISC | IR-158   | R-34   | 470                               | TR-28    | TR-28  | 2N 108 30TH IF           |
| GC-85    | C-35   | DERAMIC DISC | IR-158   | R-35   | 470                               | TR-29    | TR-29  | 2N 108 31TH IF           |
| GC-85    | C-36   | DERAMIC DISC | IR-158   | R-36   | 470                               | TR-30    | TR-30  | 2N 108 32TH IF           |
| GC-85    | C-37   | DERAMIC DISC | IR-158   | R-37   | 470                               | TR-31    | TR-31  | 2N 108 33TH IF           |
| GC-85    | C-38   | DERAMIC DISC | IR-158   | R-38   | 470                               | TR-32    | TR-32  | 2N 108 34TH IF           |
| GC-85    | C-39   | DERAMIC DISC | IR-158   | R-39   | 470                               | TR-33    | TR-33  | 2N 108 35TH IF           |
| GC-85    | C-40   | DERAMIC DISC | IR-158   | R-40   | 470                               | TR-34    | TR-34  | 2N 108 36TH IF           |
| GC-85    | C-41   | DERAMIC DISC | IR-158   | R-41   | 470                               | TR-35    | TR-35  | 2N 108 37TH IF           |
| GC-85    | C-42   | DERAMIC DISC | IR-158   | R-42   | 470                               | TR-36    | TR-36  | 2N 108 38TH IF           |
| GC-85    | C-43   | DERAMIC DISC | IR-158   | R-43   | 470                               | TR-37    | TR-37  | 2N 108 39TH IF           |
| GC-85    | C-44   | DERAMIC DISC | IR-158   | R-44   | 470                               | TR-38    | TR-38  | 2N 108 40TH IF           |
| GC-85    | C-45   | DERAMIC DISC | IR-158   | R-45   | 470                               | TR-39    | TR-39  | 2N 108 41TH IF           |
| GC-85    | C-46   | DERAMIC DISC | IR-158   | R-46   | 470                               | TR-40    | TR-40  | 2N 108 42TH IF           |
| GC-85    | C-47   | DERAMIC DISC | IR-158   | R-47   | 470                               | TR-41    | TR-41  | 2N 108 43TH IF           |
| GC-85    | C-48   | DERAMIC DISC | IR-158   | R-48   | 470                               | TR-42    | TR-42  | 2N 108 44TH IF           |
| GC-85    | C-49   | DERAMIC DISC | IR-158   | R-49   | 470                               | TR-43    | TR-43  | 2N 108 45TH IF           |
| GC-85    | C-50   | DERAMIC DISC | IR-158   | R-50   | 470                               | TR-44    | TR-44  | 2N 108 46TH IF           |
| GC-85    | C-51   | DERAMIC DISC | IR-158   | R-51   | 470                               | TR-45    | TR-45  | 2N 108 47TH IF           |
| GC-85    | C-52   | DERAMIC DISC | IR-158   | R-52   | 470                               | TR-46    | TR-46  | 2N 108 48TH IF           |
| GC-85    | C-53   | DERAMIC DISC | IR-158   | R-53   | 470                               | TR-47    | TR-47  | 2N 108 49TH IF           |
| GC-85    | C-54   | DERAMIC DISC | IR-158   | R-54   | 470                               | TR-48    | TR-48  | 2N 108 50TH IF           |
| GC-85    | C-55   | DERAMIC DISC | IR-158   | R-55   | 470                               | TR-49    | TR-49  | 2N 108 51TH IF           |
| GC-85    | C-56   | DERAMIC DISC | IR-158   | R-56   | 470                               | TR-50    | TR-50  | 2N 108 52TH IF           |
| GC-85    | C-57   | DERAMIC DISC | IR-158   | R-57   | 470                               | TR-51    | TR-51  | 2N 108 53TH IF           |
| GC-85    | C-58   | DERAMIC DISC | IR-158   | R-58   | 470                               | TR-52    | TR-52  | 2N 108 54TH IF           |
| GC-85    | C-59   | DERAMIC DISC | IR-158   | R-59   | 470                               | TR-53    | TR-53  | 2N 108 55TH IF           |
| GC-85    | C-60   | DERAMIC DISC | IR-158   | R-60   | 470                               | TR-54    | TR-54  | 2N 108 56TH IF           |
| GC-85    | C-61   | DERAMIC DISC | IR-158   | R-61   | 470                               | TR-55    | TR-55  | 2N 108 57TH IF           |
| GC-85    | C-62   | DERAMIC DISC | IR-158   | R-62   | 470                               | TR-56    | TR-56  | 2N 108 58TH IF           |
| GC-85    | C-63   | DERAMIC DISC | IR-158   | R-63   | 470                               | TR-57    | TR-57  | 2N 108 59TH IF           |
| GC-85    | C-64   | DERAMIC DISC | IR-158   | R-64   | 470                               | TR-58    | TR-58  | 2N 108 60TH IF           |
| GC-85    | C-65   | DERAMIC DISC | IR-158   | R-65   | 470                               | TR-59    | TR-59  | 2N 108 61TH IF           |
| GC-85    | C-66   | DERAMIC DISC | IR-158   | R-66   | 470                               | TR-60    | TR-60  | 2N 108 62TH IF           |
| GC-85    | C-67   | DERAMIC DISC | IR-158   | R-67   | 470                               | TR-61    | TR-61  | 2N 108 63TH IF           |
| GC-85    | C-68   | DERAMIC DISC | IR-158   | R-68   | 470                               | TR-62    | TR-62  | 2N 108 64TH IF           |
| GC-85    | C-69   | DERAMIC DISC | IR-158   | R-69   | 470                               | TR-63    | TR-63  | 2N 108 65TH IF           |
| GC-85    | C-70   | DERAMIC DISC | IR-158   | R-70   | 470                               | TR-64    | TR-64  | 2N 108 66TH IF           |
| GC-85    | C-71   | DERAMIC DISC | IR-158   | R-71   | 470                               | TR-65    | TR-65  | 2N 108 67TH IF           |
| GC-85    | C-72   | DERAMIC DISC | IR-158   | R-72   | 470                               | TR-66    | TR-66  | 2N 108 68TH IF           |
| GC-85    | C-73   | DERAMIC DISC | IR-158   | R-73   | 470                               | TR-67    | TR-67  | 2N 108 69TH IF           |
| GC-85    | C-74   | DERAMIC DISC | IR-158   | R-74   | 470                               | TR-68    | TR-68  | 2N 108 70TH IF           |
| GC-85    | C-75   | DERAMIC DISC | IR-158   | R-75   | 470                               | TR-69    | TR-69  | 2N 108 71TH IF           |
| GC-85    | C-76   | DERAMIC DISC | IR-158   | R-76   | 470                               | TR-70    | TR-70  | 2N 108 72TH IF           |
| GC-85    | C-77   | DERAMIC DISC | IR-158   | R-77   | 470                               | TR-71    | TR-71  | 2N 108 73TH IF           |
| GC-85    | C-78   | DERAMIC DISC | IR-158   | R-78   | 470                               | TR-72    | TR-72  | 2N 108 74TH IF           |
| GC-85    | C-79   | DERAMIC DISC | IR-158   | R-79   | 470                               | TR-73    | TR-73  | 2N 108 75TH IF           |
| GC-85    | C-80   | DERAMIC DISC | IR-158   | R-80   | 470                               | TR-74    | TR-74  | 2N 108 76TH IF           |
| GC-85    | C-81   | DERAMIC DISC | IR-158   | R-81   | 470                               | TR-75    | TR-75  | 2N 108 77TH IF           |
| GC-85    | C-82   | DERAMIC DISC | IR-158   | R-82   | 470                               | TR-76    | TR-76  | 2N 108 78TH IF           |
| GC-85    | C-83   | DERAMIC DISC | IR-158   | R-83   | 470                               | TR-77    | TR-77  | 2N 108 79TH IF           |
| GC-85    | C-84   | DERAMIC DISC | IR-158   | R-84   | 470                               | TR-78    | TR-78  | 2N 108 80TH IF           |
| GC-85    | C-85   | DERAMIC DISC | IR-158   | R-85   | 470                               | TR-79    | TR-79  | 2N 108 81TH IF           |
| GC-85    | C-86   | DERAMIC DISC | IR-158   | R-86   | 470                               | TR-80    | TR-80  | 2N 108 82TH IF           |
| GC-85    | C-87   | DERAMIC DISC | IR-158   | R-87   | 470                               | TR-81    | TR-81  | 2N 108 83TH IF           |
| GC-85    | C-88   | DERAMIC DISC | IR-158   | R-88   | 470                               | TR-82    | TR-82  | 2N 108 84TH IF           |
| GC-85    | C-89   | DERAMIC DISC | IR-158   | R-89   | 470                               | TR-83    | TR-83  | 2N 108 85TH IF           |
| GC-85    | C-90   | DERAMIC DISC | IR-158   | R-90   | 470                               | TR-84    | TR-84  | 2N 108 86TH IF           |
| GC-85    | C-91   | DERAMIC DISC | IR-158   | R-91   | 470                               | TR-85    | TR-85  | 2N 108 87TH IF           |
| GC-85    | C-92   | DERAMIC DISC | IR-158   | R-92   | 470                               | TR-86    | TR-86  | 2N 108 88TH IF           |
| GC-85    | C-93   | DERAMIC DISC | IR-158   | R-93   | 470                               | TR-87    | TR-87  | 2N 108 89TH IF           |
| GC-85    | C-94   | DERAMIC DISC | IR-158   | R-94   | 470                               | TR-88    | TR-88  | 2N 108 90TH IF           |
| GC-85    | C-95   | DERAMIC DISC | IR-158   | R-95   | 470                               | TR-89    | TR-89  | 2N 108 91TH IF           |
| GC-85    | C-96   | DERAMIC DISC | IR-158   | R-96   | 470                               | TR-90    | TR-90  | 2N 108 92TH IF           |
| GC-85    | C-97   | DERAMIC DISC | IR-158   | R-97   | 470                               | TR-91    | TR-91  | 2N 108 93TH IF           |
| GC-85    | C-98   | DERAMIC DISC | IR-158   | R-98   | 470                               | TR-92    | TR-92  | 2N 108 94TH IF           |
| GC-85    | C-99   | DERAMIC DISC | IR-158   | R-99   | 470                               | TR-93    | TR-93  | 2N 108 95TH IF           |
| GC-85    | C-100  | DERAMIC DISC | IR-158   | R-100  | 470                               | TR-94    | TR-94  | 2N 108 96TH IF           |
| GC-85    | C-101  | DERAMIC DISC | IR-158   | R-101  | 470                               | TR-95    | TR-95  | 2N 108 97TH IF           |
| GC-85    | C-102  | DERAMIC DISC | IR-158   | R-102  | 470                               | TR-96    | TR-96  | 2N 108 98TH IF           |
| GC-85    | C-103  | DERAMIC DISC | IR-158   | R-103  | 470                               | TR-97    | TR-97  | 2N                       |