



EICO HF20 Integrated Amplifier

**SELECTOR SWITCH  
S1 POSITIONS**

(shown on schematic in furthest counter-clockwise position, position 1)

- 1 TAPE
- 2 TV
- 3 TUNER
- 4 AUX.
- 5 COL.
- 6 LON.
- 7 RIAA
- 8 AM-78
- 9 EUR-78

**CAPACITORS**

- |         |             |          |                                   |
|---------|-------------|----------|-----------------------------------|
| C1      | 0.22μF      | C19      | 850pF                             |
| C2, C8  | 0.02μF      | C20      | 500pF                             |
| C3      | 0.05μF      | C21      | 2700pF                            |
| C4      | 2200pF      | C22      | 47pF                              |
| C5      | 3300pF      | C23      | 0.02μF                            |
| C6      | 100pF       | C24      | 10μF, 6V                          |
| C9      | 5000pF      | C25      | 0.1μF, 10%                        |
| C7, C10 |             | C26, C27 | 2 × 20μF, 450V and 2 × 10μF, 350V |
| C13     | 0.1μF, 10%  | C28      | 0.03μF, 20%                       |
| C14     | 50μF, 50V   |          |                                   |
| C15     | 330pF, 800V |          |                                   |
| C16     | 100pF       |          |                                   |
| C17     | 3300pF      |          |                                   |
| C18     | 5000pF      |          |                                   |

**RESISTORS**

- |     |   |          |  |
|-----|---|----------|--|
| R1  | 56kΩ, ½W, 10%                             | R13      | 47kΩ, ½W, 10%                              |
| R2  | Potentiometer, 500kΩ (level)              | R14      | Potentiometer, compentrol 500kΩ (loudness) |
| R3  | 330kΩ, ½W, 10%                            | R15      | 10kΩ, ½W, 10%                              |
| R4  | 33kΩ, ½W, 10%                             | R16      | 470Ω, ½W, 10%                              |
| R5  | 1.2kΩ, ½W, 10%                            | R17      | 47kΩ, ½W, 10%                              |
| R6  | 68kΩ, ½W, 5%                              | R18      | 4.7kΩ, ½W, 10%                             |
| R7  | Potentiometer, 1MΩ (bass)                 | R19, R20 | 22kΩ, ½W, 10% (matched)                    |
| R8  | 68kΩ, ½W, 5% CD                           | R21      | 22kΩ, ½W, 10%                              |
| R9  | 470kΩ, ½W, 5% CD                          | R22      | 33kΩ, 1W, 10%                              |
| R10 | Potentiometer, 500kΩ, CT, switch (treble) | R23, R24 | 470kΩ, ½W, 10%                             |
| R11 | 100kΩ, ½W, 10%                            | R25, R26 | 47kΩ, 2W, 10% (matched)                    |
| R12 | 3.3kΩ, ½W, 10%                            | R27, R28 | 100kΩ, ½W, 5% CD                           |
|     |   | R29, R30 | 1kΩ, ½W, 10%                               |
|     |   | R31      | 6kΩ, 10W, 10%                              |

- |          |   |
|----------|---|
| R32      | 10kΩ, ½W, 10%                           |
| R33      | Potentiometer 100Ω, W. W. (hum bucking) |
| R34, R35 | 100kΩ, ½W, 5% CD                        |
| R36      | 4.7MΩ, ½W, 5% CD                        |
| R37      | 560kΩ, ½W, 5% CD                        |
| R38      | 2.2MΩ, ½W, 5% CD                        |
| R39      | 68kΩ, ½W, 20%                           |
| R40      | 33kΩ, ½W, 20%                           |
| R41      | 1.138kΩ, ½W, 5% CD                      |
| R42      | 200kΩ, ½W, 5% CD                        |
| R43      | 33kΩ, ½W, 10%                           |
| R44      | 117.7kΩ, ½W, 5% CD                      |
| R45      | 375kΩ, ½W, 5% CD                        |
| R46      | 2.4kΩ, ½W, 5% CD                        |

**MISCELLANEOUS**

- |    |                                 |
|----|---------------------------------|
| S1 | Switch, 6-9 position (selector) |
| S2 | SPST switch, (off) on R10       |
| T1 | Power transformer               |
| T2 | Output transformer              |

**TUBES**

- |       |        |
|-------|--------|
| V1-V2 | 12AX7  |
| V3-V4 | 12AU7A |
| V5-V6 | 6L6GB  |
| V7    | 5U4    |