|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| <https://www.heatedcathode.com/3w-single-ended-class-a-stereo-tube-amplifier/parts/> **Resistors** Reference | Value | Tolerance | Rating | Notes |
| RV1 | 500 kΩ | – | 0.25 W | Logarithmic potentiometer dual 24 mm M8 |
| R3 | 10 MΩ | 5 % | 0.5 W | Carbon composition |
| R4 | 82 Ω | 5 % | 0.5 W | Carbon composition |
| R5 | 1 MΩ | 5 % | 0.5 W | Carbon composition |
| R6 | 6.8 kΩ | 5 % | 0.5 W | Carbon composition |
| R7 | 390 kΩ | 5 % | 0.5 W | Carbon composition |
| R8, R14 | 1 kΩ | 5 % | 0.5 W | Carbon composition |
| R9 | 22 kΩ | 5 % | 0.5 W | Carbon composition |
| R10 | 150 Ω | 5 % | 0.5 W | Carbon composition |
| R12 | 2.2 kΩ | 5 % | 0.5 W | Carbon composition |
| R13 | 560 Ω | 5 % | 3 W | Wire wound |
| R15, R16 | 33 Ω | 5 % | 3 W | Wire wound |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Reference | Value | Tolerance | Rating | Notes |
| C1 | 0.022 µF | 5 % | 250 V | Polyester film, CDE Cornell Dubilier / Mallory, Type 150 – [Datasheet](http://www.heatedcathode.com/wp-content/uploads/cap_cde_150.pdf) |
| C3 | 0.22 µF | 10 % | 400 V | Polyester film, Vishay / Roederstein, MKT1813 Series – [Datasheet](http://www.heatedcathode.com/wp-content/uploads/cap_vishay_mkt1813.pdf) |
| C4, C8 | 25 µF | 20 % | 50 V | Aluminium electrolytic, Vishay / Sprague – [Datasheet](http://www.heatedcathode.com/wp-content/uploads/cap_vishay_500D.pdf) |
| C5 | 390 pF | 5 % | 500 V | Mica Stardard Dipped, CDE Cornell Dubilier, Type CD15 – [Datasheet](http://www.heatedcathode.com/wp-content/uploads/cap_cde_std-dip.pdf) |
| C6, C9 | 40+40+40uF | – | 525 V | Aluminium electrolytic, CE |

**Transformers**

|  |  |  |  |
| --- | --- | --- | --- |
| Reference | Type | Model | Datasheet |
| TR1 | Mains transformer | Hammond Manufacturing 370DAX | [Datasheet](https://www.heatedcathode.com/wp-content/uploads/tra_hammond_370DAX.pdf) |
| TR2 | Output transformer | Hammond Manufacturing 125BSE | [Datasheet](https://www.heatedcathode.com/wp-content/uploads/tra_hammond_125BSE.pdf) |

**Vacuum tubes / Valves**

V1 EF86 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/tube_ef86-philips1956.pdf)

V2 EL84 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/tube_el84-Mullard.pdf)

V3 EZ81 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/tube_ez81-philips1970.pdf)  
  
  
**Miscellaneous**

|  |  |  |
| --- | --- | --- |
| Part name | Quantity | Notes |
| Valveholders | 5 | Belton Engineering, VT9-ST-1 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/soc_belton_VT9.pdf) |
| Mains input socket | 1 | Bulgin, PX0580/28 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/con_bulgin_IEC.pdf) |
| Fuseholder | 1 | Bulgin, FX0455 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/fus_bulgin_PC2.pdf) |
| Fuse | 1 | 5 mm x 20 mm, 500 mA (1 A for 120 V) |
| Mains switch | 1 | Honeywell, 12TS115-2 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/swi_honeywell_TS.pdf) |
| Indicator light | 1 | Arcolectric, neon red L104100NAA – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/lam_arcolectric_308972.pdf) |
| Input socket RCA | 2 | Neutrik, NYS367 white and red – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/con_neutrik_NYS-367.pdf) |
| Output socket | 4 | Hirschmann, PKI 10 A Au black and red – [Datasheet](http://www.heatedcathode.com/wp-content/uploads/con_hirschmann_PKI-10-A.pdf) |
| Impedance switch | 1 | TE Connectivity, FTN0904 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/swi_CK_7000.pdf) |
| Terminal strip 2 way | 2 | Keystone 810 – [Datasheet](http://www.heatedcathode.com/wp-content/uploads/ter_keystone_810.pdf) |
| Terminal strip 6 way | 2 | Keystone 825 – [Datasheet](http://www.heatedcathode.com/wp-content/uploads/ter_keystone_825.pdf) |
| Solder terminal lug | 4 | Keystone 7327 – [Datasheet](http://www.heatedcathode.com/wp-content/uploads/ter_keystone_7327.pdf) |
| Grommet 8 mm | 6 | Keystone 742 – [Datasheet](https://www.heatedcathode.com/wp-content/uploads/gro_keystone_742.pdf) |
| Insulator for FP Cap | 1 | AES S-H120 |
| ON-OFF plate | 1 | NKK Switches AT214 |
| Chassis steel black | 1 | Hammond Mfg. 1441-16BK3 |
| Chassis bottom cover | 1 | Hammond Mfg. 1431-16BK3 |
| #6-32 Screw 6 pack | 1 | Hammond Mfg. 1421J6 |
| Bumper / Feet | 4 | 3M SJ-5744 BLACK |
| Machine Screw, M3, 10 mm, Steel, Bright Zinc, Flat / Countersunk Head Pozidriv | 2 | M3 10 KRSTMC Z100 |
| Machine Screw, M3, 10 mm, Steel, Chemically Blackened, Pan Head Pozidriv | 14 | M3 10 PRSTMC B100 |
| Washer, Shakeproof, 3.2 mm, 6 mm, Steel, Zinc | 16 | DM3 ITST Z100 |
| Nut, Hex, M3, Steel, Bright Zinc Plated | 16 | M3 HFST Z100 |
| Machine Screw, M4, 10 mm, Steel, Bright Zinc, Pan Head Pozidriv | 8 | M4 10 PRSTMC Z100 |
| Spring Washer, Steel, 4.4 mm Internal, 7 mm External | 12 | DM4 DSSSTWA Z100 |
| Nut, Hex, M4, Steel, Bright Zinc Plated | 8 | M4 HFST Z100 |
| Insulated hook-up wire, solid, 1 mm² (17 AWG) black, 300 Vrms min. |  |  |
| Insulated hook-up wire, solid, 0.5 mm2 (20 AWG) black, blue and red, 300 Vrms min. |  |  |
| Audio signal wire 2 x 0,14 mm² single shielding, black |  |  |
| Pointer knob | 1 | (see text) |

The original pointer knob still exists today (Bulgin, KX0370), but I have preferred to use another model, chosen among those appearing in the following picture.