

## 6673 Channel amplifier



### 6673 FEATURES

- 80dB Class A Microphone preamplifier, HI-LO selectable minimum input impedance, balanced and floating. High gain positions show a higher impedance, ideal for old ribbon mics.
- 10dB Class A Line Amplifier, Bridging input impedance, balanced and floating.
- Class A, single ended, 2N3055 driven high headroom output stage.
- High Frequency: +/-16dB selectable frequency shelving at 10, 12 or 16kHz, Baxandall type.
- Low Frequency: +/-16dB with selectable frequency shelving of 35Hz, 60Hz, 110Hz & 220Hz, Baxandall type.
- 1073 Mid Frequency: +/-18dB peaking, fixed 'Q', selectable center frequencies of 0.24 KHz, 0.36kHz, 0.53KHz, 0.7kHz, 1.1KHz, 1.6kHz, 3.2kHz, 4.8kHz, 7.2kHz and 10KHz, dual inductor based.
- 1066 Constant Q Mid Frequency: +/-18dB peaking, fixed 'Q', selectable center frequencies of 0.7 KHz, 1.2 KHz, 2.4KHz, 3.6KHz, 7.0KHz, inductor based.
- High Pass Filter: 18dB per octave slope, switchable between 50Hz, 80Hz & 300Hz, inductor based. (Although push button switches has been used instead of the classic rotary switch, the circuit is the same exact one found in vintage 1073s, sacrificing only one frequency choice for space issues. Real state is tight on these modules).
- EQ Button: Switches the equaliser on or off.
- Phase Button: Flips phase 180°.
- 6673 Module available. 19" Convertible format available Spring 2012.

*Frequencies shown in blue indicate extra ones not found in the 1073 modules.*

### 6673 SPECIFICATIONS

- Microphone input impedance: HI, 1200 Ohm minimum, LO, 300 Ohm minimum. Higher gain positions gradually have greater impedances, optimum for lo gain ribbon mics. Input is transformer balanced and floating.
- Line input impedance: 10KOhms bridging, transformer balanced and floating.
- Output impedance: Less than 75 Ohms, transformer balanced and floating, to drive a load of 600 Ohms.
- Maximum output: Greater than +26dBm into 600 Ohms, greater than +32dBu into 10KOhms.
- THD: Less than 0.025% at 1KHz, Less than 0.05% at 100Hz.
- Frequency response :20Hz (+0.3dB) to 20KHz (-0.2dB).
- Maximum Gain: Slightly greater than 80dB.
- Noise: Less than -100dBm.
- Power consumption: 110 mA @24VDC.