BIAS OSCILLATOR TRANSFORMERS

TO DRIVE RECORD AND ERASE HEADS
- Heavy-duty Ferrite E-core construction assures minimum external magnetic field.
- High efficiency, high Q, clean waveform, and good voltage regulation.
- Wide frequency and voltage range.
- Output voltage at secondary of transformer may be varied by adjustment of the D.C. power supply voltage to the oscillator.
- Power handling up to 3 watts.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Circuit Type and Mount</th>
<th>Application</th>
<th>Typical Operating Frequency (KHz)</th>
<th>Secondary Voltage (RMS)</th>
<th>Compatible Nortonics Heads</th>
</tr>
</thead>
<tbody>
<tr>
<td>T70-T2</td>
<td>Transistor, PC Board</td>
<td>General Purpose</td>
<td>50-120</td>
<td>40, 80, 120</td>
<td>No. 4 &amp; No. 1 Erase</td>
</tr>
<tr>
<td>T60-T2</td>
<td>Transistor, Can &amp; Lug</td>
<td>General Purpose</td>
<td>60-110</td>
<td>40, 80, 120</td>
<td>No. 4 &amp; No. 1 Erase</td>
</tr>
<tr>
<td>T70-T5</td>
<td>Transistor, PC Board</td>
<td>Duplicating</td>
<td>230-500</td>
<td>70</td>
<td>D6 No. 88 Record</td>
</tr>
<tr>
<td>T60-T5</td>
<td>Transistor, Can &amp; Lug</td>
<td>Duplicating</td>
<td>230-500</td>
<td>70</td>
<td>D6 No. 88 Record</td>
</tr>
<tr>
<td>T70-T5</td>
<td>Transistor, PC Board</td>
<td>Professional</td>
<td>150-200</td>
<td>—</td>
<td>PR Series Erase</td>
</tr>
<tr>
<td>T50-E</td>
<td>Vacuum Tube, Can &amp; Lug</td>
<td>General Purpose</td>
<td>40-70</td>
<td>7 &amp; 120</td>
<td>No. 2 &amp; No. 1 Erase</td>
</tr>
<tr>
<td>T50-F</td>
<td>Vacuum Tube, Can &amp; Lug</td>
<td>General Purpose</td>
<td>60-100</td>
<td>60 &amp; 150</td>
<td>No. 4 &amp; No. 1 Erase</td>
</tr>
</tbody>
</table>

Table and circuit list the various methods of operation for the T70-T2 oscillator circuit, to obtain power for Nortonics #4 erase heads, at three different frequencies.

T-70 SERIES

For printed circuit board mounting
- Pin terminals provide for plug-in and soldering
- May be used with standard transistor push-pull or single-ended Class "O" oscillator circuits
- Nylon case measures 1 3/4" x 1 1/8" x 1 1/4"

CONNECTOR PLUG

NORTRONICS

CONNECTIONS

MODEL 10K-20

4-Pin Black Phenolic Plugs permit instant connection to all 4 pins of Stereo Heads and 2 pins of Mono Heads. 105-20 plug is for all Nortonics heads except B2Q, P-B3Q and P-BQL.

PLUG & CABLE ASSEMBLY

MODELS 139-70

139-77

Assemblies ready to plug onto Head Terminal Pins. Consist of proper plug and two shielded cables (nominal length 18" each). 139-70 is used with all Nortonics stereo heads, with cable pairs connected to the upper pair of pins and lower pair of pins. 139-77 is used with Nortonics mono-combo and certain cassette heads, with cable pairs connected to the right pair of pins and left pair of pins.

PIN CLIPS

The 109-54 is a gold plated beryllium copper push-on clip formed to fit the terminal pins of all Nortonics heads. Lead wires may be soldered easily to the small end of the clip, leaving the larger end open to push on to the terminal pins. Pin clips permit ready attachment or removal of leads to terminals of heads, and also eliminate damage to head caused by soldering leads directly to pins.

PIN CLIP & CABLE ASSEMBLIES

139 SERIES

Provided to make neat and simple electrical connections to the terminal pins of Nortonics heads. Two conductor (No. 26) shielded wire insulated with vinyl jacket, with 109-54 pin clips. Available in 2 lengths, 4 color combinations.