Airpax proudly announces...

MODEL A-100
400 cycle 6 volt Chopper

• • • for continuous operation in a 200° c ambient

This remarkable Class H adaptation of our standard chopper is at no sacrifice to Airpax quality. In fact operating frequency range is enlarged to 360 to 440 cycles. Drive is 6.3 VAC, 1 watt. Residual noise less than 3 mv. peak to peak at one megohm. Phase lag is 65° between drive voltage and square wave output. Covers the full range of +200°C to -65°C. Will withstand 10g vibration. Contacts SPDT, rated 100 V, 2 ma., max.
**Phase Angle** at 6.3v, 60 cycles is 21° ± 5°, at 30 cycles is nominally 20°, at 100 cycles 26°.

**Contacts** are SPDT, break-before-make, and are rated up to 100 volts maximum, 1 ma maximum.

**Dwell Time** is approx. 170°. The nominal value of dwell time changes only slightly from 30 cycles to 100 cycles.

**Coil** demand at 6.3 volts, 60 cycles, is approximately 37 milli-amperes, coil resistance approximately 165 ohms D.C.

**Noise** with all 3 contacts at one megohm impedance, and with wide band amplifiers, will have an effective value of 50 micro-volts or less. The offset of narrow band amplifiers will be very much less. The specification of noise requires careful definition, users should refer to the detail specifications and bulletin 103.

**Temperature** may be any value from —65°C to 85°C. The nominal phase angle will vary from about 17 degrees at —65°C to 25 degrees at 85°C.

**Vibration** from 10 to 55 cycles will not damage the chopper up to as high as 30 G. At these higher G values there will be some modulation of the phase angle.

**Frequency** of operation may be any value from 25 to 110 cycles, to maintain full performance, balance, etc.

**Humidity** may be any value, except of course for external condensation on the header.

**Shock** values as high as 50G will not damage the chopper.

**Altitude** may be any value, as the unit is hermetically sealed.
AIRPAX
C747 MIDGET
400 CYCLE CHOPPER

PROVEN PERFORMANCE
in large volume production
is your best guarantee
of quality!

Note these facts...

- AIRPAX has built
  nearly ¼ million choppers
- AIRPAX maintains an
  engineering staff constantly
  striving to improve choppers
- AIRPAX has ample capacity
  for large volume production
  of choppers
- And AIRPAX choppers have
  proven performance
  life and reliability

AIRPAX
DESIGNERS
PRODUCTS
COMPANY
ENGINEERS

MIDDLE RIVER   BALTIMORE 20, MD.

FITS 7 PIN
MINIATURE
SOCKET

Weighs less than 1 oz.