

# ambit for audio

## 100W PA MODULE

All parts for the best 100W complementary amplifier yet published



Kit

41-00504 36.48

HEATSINK (2 required)

21-08035 8.60

## LOUDSPEAKER/AMPLIFIER PROTECTION



Very substantial 20A relay driven by the multifarious HA12002 amplifier monitor IC. Protects against overload, temperature offset etc.

41-00505 £8.39

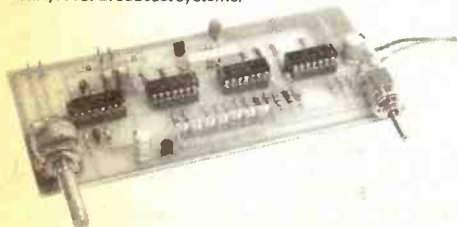
## PSU — 250VA FOR PA

A multi primary toroid designed specifically for the above system with substantial reservoir capacitors

|                                   | Stock No. | Price |
|-----------------------------------|-----------|-------|
| 110/240V PRI                      |           |       |
| 15-0-15V                          |           |       |
| 42-0-42Vsec                       | 57-07110  | 24.45 |
| 22000µF/63V                       | 05-22400  | 7.84  |
| 200V PIV/<br>25A Bridge Rectifier | 90-00564  | 2.20  |

## AUDIO LIMITER

A high quality means of preventing amplifier overload in HiFi, PA or Broadcast systems.

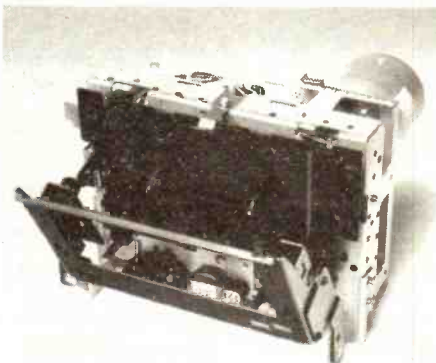


Kit

41-00501 £13.82

## ELECTRONIC CASSETTE

A fully solenoid operated cassette mechanism, featuring front loading and simple electronic control. Complete with Canon permalloy stereo head — although various others can be fitted if required. This is the current stock deck — OEM's can obtain details of the broader range available by contacting Ambit Industrial Marketing. Full specification and drawings on request, together with alternative head options for large volume users. Position counter available soon. See August R&W for details of logic drive circuit.

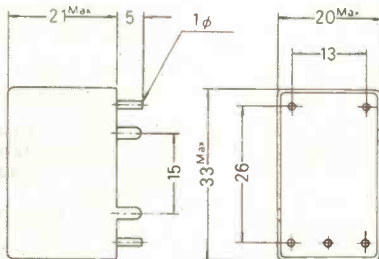


### SPECIFICATION:

Rated Operating Voltage: Motor +12VDC ±10%, Solenoids +12V DC ±10%. Installation: Vertical or Horizontal. Wow and Flutter: >0.08% WRMS (>15)(Test Tape: TEAC MTT-111). Spooling Time: FF or REV >115 seconds (TDK DC-60). Tape Speed: 3,000Hz±2%. Motor Consumption: (Play, FF, REV)>100mA. Heads - REC/REP: Canon H3332-0202 (2 channel sendust). Erase: Canon H53211-02 (2 channel, double gap, metal capable)

| Description                              | Stock No. | Price |
|--|-----------|-------|
| TN3600 deck                              | 72-03600  | 28.00 |
| BA843 Cassette deck control IC           | 61-00843  | 1.95  |
| LB1288 Darlington Driver (for solenoids) | 61-01288  | 1.35  |

## TAPE OSCILLATOR BLOCK TBP23



Pre-aligned oscillator block for bias and erase use in cassette and tape decks. High stability push-pull oscillator, with shielded case.

### SPECIFICATION:

Supply Voltage: 16V DC. Current consumption: <50mA. Osc Frequency: 100+5kHz. Recording Bias Current: 600uA per head. Erase current: 80mA. Erase current distortion: <0.6%. Impedances: Erase Head: 300R @50kHz. Rec/Play Head: 800R @1kHz. Temperature Range: -20° to +70°C.

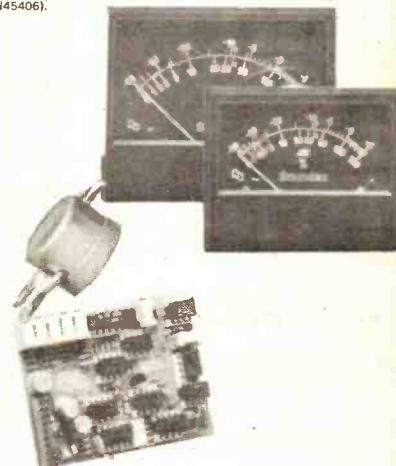
| Type        | Stock No. | Price |
|-------------|-----------|-------|
| 724BOR1018N | 99-01018  | 2.75  |

## PPM SYSTEMS

Professional ballstic sound measurement systems

### PPM SYSTEMS TO DIN45406

The PPM 302 is a Meter Movement and Drive amplifier combination complete with 1:1 isolating transformer, forming a sophisticated peak programme meter system within BS 5428 type 1 and DIN 45406 specifications. The response time is exceptionally fast and the dynamic range -50 to 5dB. The drive card, incorporates a sharp cut off low pass filter, full wave rectifier, separate attack and decay time constants, and logarithmic meter drive amplifiers. The gain of the card is adjustable. The drive card and meter are sold as a pre-aligned pair and are issued with a calibration certificate. There are two meter sizes available and the size should be stated when ordering. PPM302/24 drive amp, card, balance transformer and size 24 meter (DIN45406). PPM302/34 drive amp, card, balance transformer and size 34 meter (DIN45406).



| Type      | Stock No. | Price  |
|-----------|-----------|--------|
| PPM302/24 | 50-30201  | 114.92 |
| PPM302/34 | 50-30202  | 119.12 |

### LOW COST PPM SYSTEMS

The PPM402 is a meter movement and Drive Amplifier card combination forming a cost effective peak programme meter of high quality and reliability. The driver consists of a variable sensitivity input stage, precision full-wave active rectifier and output stage with a transfer characteristic suitable for the meter scale. Each driver and meter is individually aligned to be within published data so that repeatability of response is guaranteed. In operation this means that peaks are not only captured, but also valued closely to what the ear may perceive. PPM402/24 drive amp, card with size 24 meter. PPM402/34 drive amp, card with size 34 meter. PPM402/K drive amp kit with size 24 meter.

| Type      | Stock No. | Price |
|-----------|-----------|-------|
| PPM402/24 | 50-40201  | 55.13 |
| PPM402/34 | 50-40202  | 59.73 |
| PPM402/K  | 50-40203  | 45.98 |

## DRIVE AMPLIFIERS

### PPM 121 (ENCAPSULATED)

Features: ★ BS5428 compatibility. ★ Small external component count. ★ Maximum opportunity for user options. ★ Two-point line-up. ★ Small size 30 x 20 x 15mm. ★ Wide supply variation tolerance. ★ Wide supply variation tolerance. ★ Low current consumption. The full wave rectifier, piece-wise processor and drive amplifiers, make this small module ideal for achieving Peak Programme Metering in a wide variety of applications. The module is sufficiently accurate to perform BS4297 and BS5428 processing with negligible thermal drift and wide supply tolerance. A minimum of external components are needed which allow dynamic and static parameters to be user-adjusted.

| Type   | Stock No. | Price |
|--------|-----------|-------|
| PPM121 | 50-00121  | 28.35 |

### PPM 131 (CARD)

PPM 131 is a small, high quality meter drive amplifier, ideal for incorporation into mixers and other equipment where unbalanced signals are present. There is adequate gain to cope with non-standard levels. Power supplies present no problem to the PPM 131, since apart from being protected against reverse biasing, the amplifier may be operated from either single or dual rail power — the 0V generator onboard can be linked in or out of use. Each PPM 131 leaves the Soundex factory having been aligned, both statically and ballistically, to the BS5428 specification and because only high stability close tolerance components are used, alignment is achieved in two steps.

| Type   | Stock No. | Price |
|--------|-----------|-------|
| PPM131 | 50-00131  | 36.75 |

Card to affix to meter

### PPM 181 (CARD)

A high performance peak programme meter amplifier card of small size for mounting directly onto the rear studs of meter movements. The input is electronically balanced with a high input impedance and large common mode rejection. An unbalanced output is available for sum and difference measurement, where two PPM 181 cards are used as a stereo pair. The gain of the PPM 181 may be selected as unity (0dBm = 0dB indicated) or varied by appropriate linking. Realignment is a simple one pass procedure. The PPM 181 is supplied with 10 way edge connector, certificate of calibration and full data.

| Type   | Stock No. | Price |
|--------|-----------|-------|
| PPM181 | 50-00181  | 69.35 |

Card to affix to meter