



OMEGA TYPE DB-16 Stereo Cassette Player Dynamic Demonstrator cum Trainer has been designed with a view to provide practical/experimental knowledge of the latest circuit of IC based Stereo Cassette Player on Single glass epoxy PCB, with Fault Creating Facility.

All components are soldered on single pin tags on Single PCB with full circuit diagram on component side. Hence any component can be removed or shorted or its value can be altered to understand its effect/function. The voltage at any point can be measured easily and the waveforms can be observed. Faults can be created by removing any part.

Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECT

- 01 Study of the latest Stereo Cassette Player Circuit based on IC TBA810.
- 02 Tracing the circuit and identify the different components.
- 03 Creating the faults by switches and servicing them.
- 04 Understanding the alignment procedure.
- 05 Testing and experimenting various sections.

SPECIFICATIONS

- | | | |
|---------------------------|---|---|
| 01 POWER SUPPLY | : | 230V AC \pm 5% 50Hz or 12V DC - Car Battery. |
| 02 POWER OUTPUT | : | 10 Watt (5 watt x 2 channels) maximum output. |
| 03 CURRENT CONSUMPTION | : | 1.5 Amp. max. |
| 04 FREQUENCY RESPONSE: | : | 100 Hz to 13000 Hz. |
| 05 BASS CONTROL | : | \pm 10% (Low Frequency). |
| 06 TREBLE CONTROL | : | \pm 10% (High Frequency). |
| 07 POWER INDICATOR | : | L.E.D. Type. |
| 08 HIGH FILTER | : | 5% cut-boost. |
| 09 TAPE SPEED | : | 4.75 cm/seconds. |
| 10 TAPE TYPE | : | Compact cassette, C-60 or C-90. |
| 11 DECK MECHANISM | : | Speed king (Car) Deck with stereo Head. |
| 12 POWER OUTPUT INDICATOR | : | 5 L.E.D.'s x 2. |
| 13 | | Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References. |
| 14 Weight | : | 4Kg. (Approximate) |
| 15 Size | : | W415 X D165 X H315. |

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

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