



DTMF[®] Decoder

model 3185E

Applications

- CATV Cue Tone Decoding
- Remote Control Systems

Specifications

Audio Input Impedance:

Selectable 600 Ω \pm 10 %
>10 KW balanced/unbalanced

Audio Input Coupling:

AC

Audio Input Level:

45 mV p~p (-34 dBm) to
13.8 V p~p (+16 dBm)

Audio Input Range:

-24 dBm to 6 dBm: adjustable \pm 10
dBm

Digit Validation Time:

40 mSec minimum

Inter-digit Time:

40 mSec to 3 Sec

Digits per Second:

Maximum 12 @ \pm 6 dB twist

Set/Reset Inputs:

>20 uSec pulse to ground

Relay Output:

DPDT; 2 A @ 30 VDC

Power Requirements:

+12 VDC @ 40 mA

Physical:

5" H X 3" W X 0.6" D

Each card comes with a card edge connector, two card guides and hardware for mounting in our cases



Description

The Model 3185E Dual Tone Decoder is a microprocessor controlled DTMF decoder. The 3185E is capable of accepting a sequence of one to four DTMF[®] signals, and responds by activating its integral DPDT output relay. The relay action may be momentary, latching or toggling. Programming the code sequence is accomplished by digital rotary switches along the front edge of the PC board.