



DTMF Encoder

model 3171B

Features

- 600 W balanced output
- Adjustable tone output level
- 4 line parallel BCD logic input
- Crystal control for accuracy

Specifications

Input Logic High:
2.0 V minimum

Input Logic Low:
0.8 V maximum

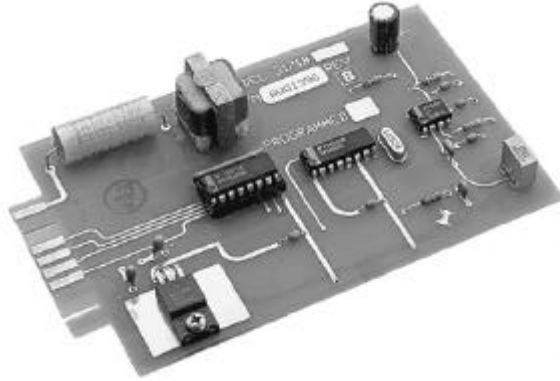
Frequency Accuracy:
> ±0.2 %

Output Impedance:
600 Ω balanced

Output Level:
0.3 to 2.0 V RMS

Power Requirement:
+12 VDC @ 75 mA.

Physical:
5" H X 3" W X 0.6" D



Description

The 3171B DTMF Encoder is a plug in circuit card, designed to convert a 4 line BCD logic input into a DTMF audio output.

The 3171B can be provided with standard or special programming, allowing transmission of multi-digit tones when used with the 3223B or 3223C Encoder Controller. When provided with standard programming, the DTMF digits will be produced in response to the BCD inputs as shown in the table. When provided with special programming, the customer supplies the tones to be generated in response to the codes input.

Digit	BCD 1 2 4 8	FREQ (Hz.)
1	1 0 0 0	697/1209
2	0 1 0 0	697/1336
3	1 1 0 0	697/1477
4	0 0 1 0	770/1209
5	1 0 1 0	770/1336
6	0 1 1 0	770/1477
7	1 1 1 0	852/1209
8	0 0 0 1	852/1336
9	1 0 0 1	852/1477
0	0 0 0 0	941/1336
*	0 1 0 1	941/1209
#	1 1 0 1	941/1477
A	0 0 1 1	697/1633
B	1 0 1 1	770/1633
C	0 1 1 1	852/1633
D	1 1 1 1	941/1633

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