

# TU-79

TONE UNIT FOR THE TR-7950/30

The TU-79 is a subtone unit which installs in the TR-7950/30.

• **Accessories**

Screws (3 mm) . . . . . 2 ea.  
Instructions . . . . . 1 set

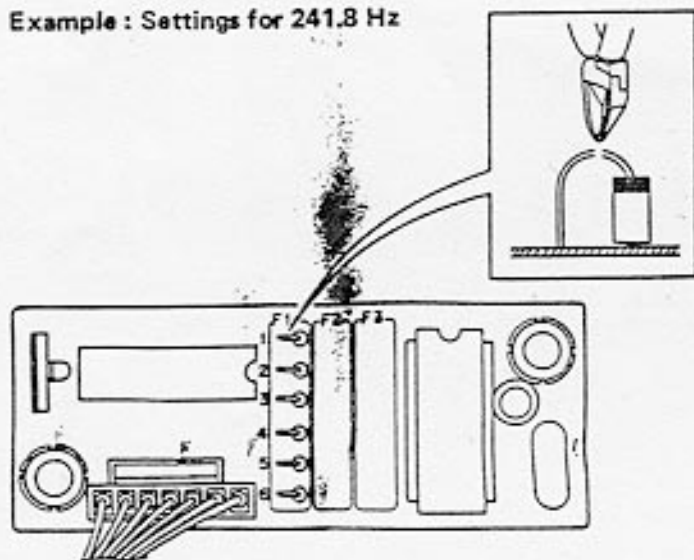
• **Specifications**

Oscillator frequency . . . . . 1 MHz  
Usable frequency range . . . . . 37 EIA Specification  
Group Frequencies  
Weight . . . . . 35 grams

• **Operation**

With the TU-79, any of 37 oscillator frequencies can be set by means of the diodes on the tone unit. See the frequency in or the list below for the relationship between the oscillator frequencies and the diodes settings.

Example : Settings for 241.8 Hz



CIRCUIT

TU-79 Tone frequencies

Note :

Symbols in the table below denotes as follows ;

X - Cut diode, O - Diode remains mounted.

≠	EIA Specification Group Hz	Program Lines					
		1	2	3	4	5	6
1	C 67.0	X	X	X	X	X	X
2	B 71.9	X	O	X	X	X	X
3	C 74.4	X	X	O	X	X	X
4	A 77.0	O	O	X	X	X	X
5	C 79.7	X	X	X	O	X	X
6	B 82.5	X	O	O	X	X	X
7	C 85.4	X	X	O	O	X	X
8	A 88.5	O	O	O	X	X	X
9	C 91.5	X	X	X	X	O	X
10	B 94.8	X	O	X	O	X	X
11	A 100.0	O	O	X	O	X	X
12	B 103.5	X	O	O	O	X	X
13	A 107.2	O	O	O	O	X	X
14	B 110.9	X	O	X	X	O	X
15	A 114.8	O	O	X	X	O	X
16	B 118.8	X	O	O	X	O	X
17	A 123.0	O	O	O	X	O	X
18	B 127.3	X	O	X	O	O	X
19	A 131.8	O	O	X	O	O	X
20	B 136.5	X	O	O	O	O	X
21	A 141.3	O	O	O	O	O	X
22	B 146.2	X	O	X	X	X	O
23	A 151.4	O	O	X	X	X	O
24	B 156.7	X	O	O	X	X	O
25	A 162.2	O	O	O	X	X	O
26	B 167.9	X	O	X	O	X	O
27	A 173.8	O	O	X	O	X	O
28	B 179.9	X	O	O	O	X	O
29	A 186.2	O	O	O	O	X	O
30	B 192.8	X	O	X	X	O	O
31	A 203.5	O	O	X	X	O	O
32	B 210.7	X	O	O	X	O	O
33	A 218.1	O	O	O	X	O	O
34	B 225.7	X	O	X	O	O	O
35	A 233.6	O	O	X	O	O	O
36	B 241.8	X	O	O	O	O	O
37	A 250.3	O	O	O	O	O	O

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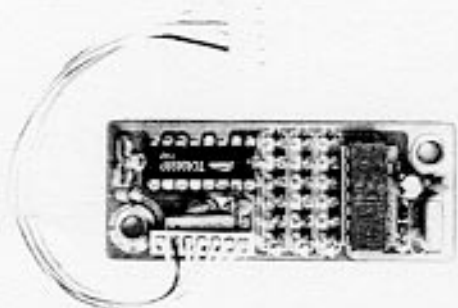
# TU-79

## TU-79 TONE UNIT (K, M only)

### TU-79 SPECIFICATIONS

Oscillator frequency ..... 1 MHz  $\pm$  0.1%  
 Output frequency ..... 37 band within 67.0 Hz ~ 250.3 Hz

NOTE: To Control Unit J5



### TU-79 PARTS LIST

N : New Parts

Part No.	Re- marks	Description	Ref. No.
<b>GENERAL</b>			
B50-4020-00	N	Instruction manual	
H01-4459-03 H25-0029-04	N	Packing carton Protective bag	
N87-3012-46		Self tapping screw x 2	
X52-1210-10	N	Tone unit	
<b>TONE unit (X52-1210-10)</b>			
CC45CH1H220J		C, 22P	C4
CE04W1A470M		E, 47	C3
C91-0131-05		C, 0.01	C1,2
E02-0110-05	N	IC socket 14P	
E31-2160-05	N	Connector with lead	
J31-0502-04 J42-0404-05		PC board collar PC board bush	
L77-0983-05		Crystal 1 MHz	XL1
MX315		IC	Q1
TC4049BP		IC	Q2
XZ-055		Zener Diode	D1
1S1555		Diode	D11 ~ 16 21 ~ 26 31 ~ 36
R12-1419-05		Trim. Pot. 3 k $\Omega$	VR1
R90-0124-05		Resistor block 47 k $\Omega$ x 4	R2

### TU-79 PC BOARD (X52 - 1210 - 10)

Component side view

