ElmerRadio Solar Powered AM Radio

Solar Battery
Iowa Thin Film TX3-25
3 Volt 25 mA (nom.)

L1 Loopstick Antenna
93T 16/43 litz
Coil length: 53mm
Ferrite Bar: 8mm D x 8mm L

Ext. Antenna (optional)
C1 2.2pF
C2 200pF
Dual Sect Polyvariable
Connected In Parallel

R1 150K
R2 3.3K
R3 7.5K
R4 200
R5 1K
R6 22K
R7 100K
R8 22K
R9 22K
R10 100K

U1 NCP100SNT1
Ref
IN
OUT

U2 MK484
IN
OUT

R4 200

C6 10µF

C8 100µF

U3 Log

IN A
SD
Mute
Bypass
IN B

Y1 0V
Y2 Vdd
Y3 5V SE/BTL
Y4 Vdd
Y5 0V

OUTA 9
OUTB 7

IN A
SD
Mute
Bypass
IN B

LM4916MM

IN A
SD
Mute
Bypass
IN B

LM4916MM

IN A
SD
Mute
Bypass
IN B

NCP100SNT1

NC 1
Anode
Cathode
Reference

*Walkman* Type
Headphones

J1

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B. Kizerian KK7ZZ
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