

MK-484 AM RADIO IC

(Japanese copy of the Ferranti ZN414)

Information compiled by SM0VPO - <http://w1.859.telia.com/~u85920178/>

The MK-484 is a monolithic Integrated Circuit (IC) single chip AM radio receiver for the Medium Waveband (MW). The IC has both high sensitivity and recovered audio quality with a minimum number of components. The IC has low quiescent current consumption and a low operating supply voltage. The device is designed for use in applications where a miniature MW broadcast bands radio is desired in a confined space, for example, toys and novelty products. The MK-484 may also be used as an AM Intermediate Frequency (IF) sub-system.

Features:

- Stable low voltage operation from 1.1vDC to 1.8vDC
- Low quiescent current – 300uA typical
- High gain
- Wide AGC range – 30dB
- TO92 encapsulation

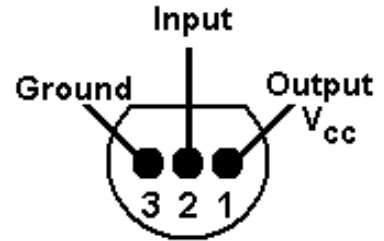
Applications:

- Toys and Novelties
- Miniaturized radio applications
- AM IF sub-systems

Brief Specifications

	Min	Typ	Max	Unit
Supply voltage (VCC) range	1.1	1.5	1.8	V
Output signal voltage	0.8	1.1	1.5	mV
Supply current		0.3		mA
Input impedance		4		MΩ
Automatic Gain Control range	30			dB
R (AGC)	100	600	1500	kΩ
Power gain		70		dB
Operating temperature range	-30		+80	°C
Storage temperature range	-40		+125	°C

Measured at: $V_{cc}=1.4v$, $F_o=1MHz$, $V_{in} = 1mV$



PLASTIC (TO-92)

