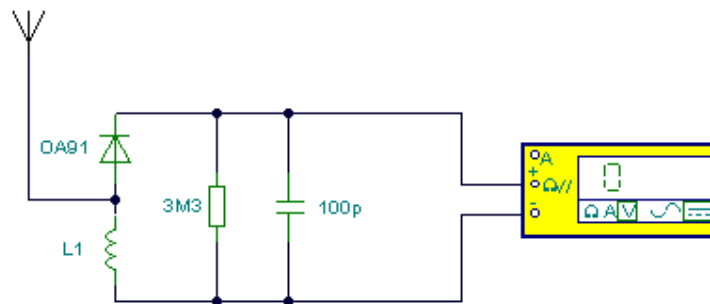


Simple Field Strength Meter

Description:

This Field Strength Meter is simple and also quite sensitive. It uses an ordinary digital voltmeter to measure RF signal strength up to a few hundred MHz.



Parts List:

1 0A91 Germanium Diode

1 3.3M Resistor

1 100p Capacitor

L1 7 turns on a 1/4 inch former (suitable for around 100MHz)

Notes:

The multimeter should be set to the lowest dc volts range for maximum sensitivity. This is normally 200mV DC for most meters. The circuit works well at VHF (around 100MHz) and was quite pleased with the results. L1 was 7 turns on a quarter inch former with ferrite slug. This covered the UK FM band. A digital multimeter, as opposed to an analogue signal meter offers several advantages in this circuit. First, the impedance of a digital meter is very high, around 10Meg/Volt on most meters. This does not shunt the tank circuit unduly. Second, compared to an analogue meter, very slight differences in signal strength can be more easily observed. Thirdly, a digital meter will have better linearity, responding well to both weak and stronger signals

本文内容来自互联网，版权归原作者所有。由电子零件城 (<http://www.epcity.com/>) 整理并制作成 PDF 文件，仅供个人学习之用，不得用于任何商业目的，否则后果自负。如果您认为本 PDF 文件侵犯了您的任何权利，请来信 epcity@epcity.com 通知，本站立即删除。

搜集整理：电子零件城-笨笨兔 (QQ: 154502842) 2004-04-10