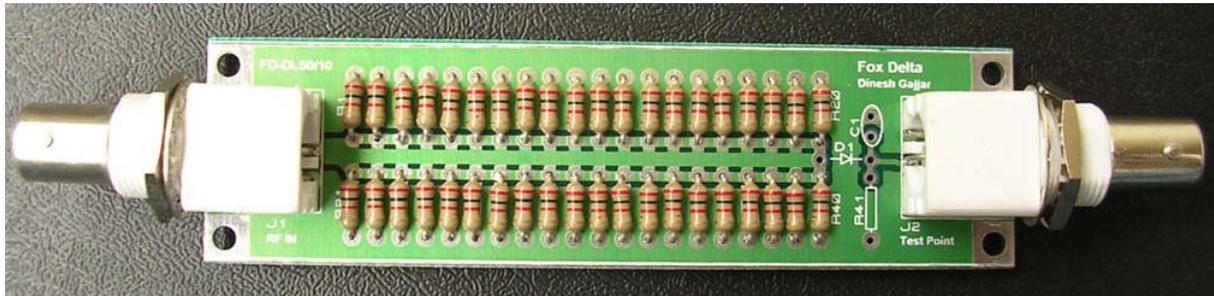




## Technical Details & Schematic: A Simple 10W 50 Ohms Dummy Load

Picture of the completed 10W 50 Ohms Dummy Load:



### Project Details:

RF Power measurements need not be an expensive business. This RF Dummy Load may work effectively up to over 500MHz withstanding at least 10W of RF power.

DL50/10 is a small PTH PCB, measuring only 10cm x 2.5cm.

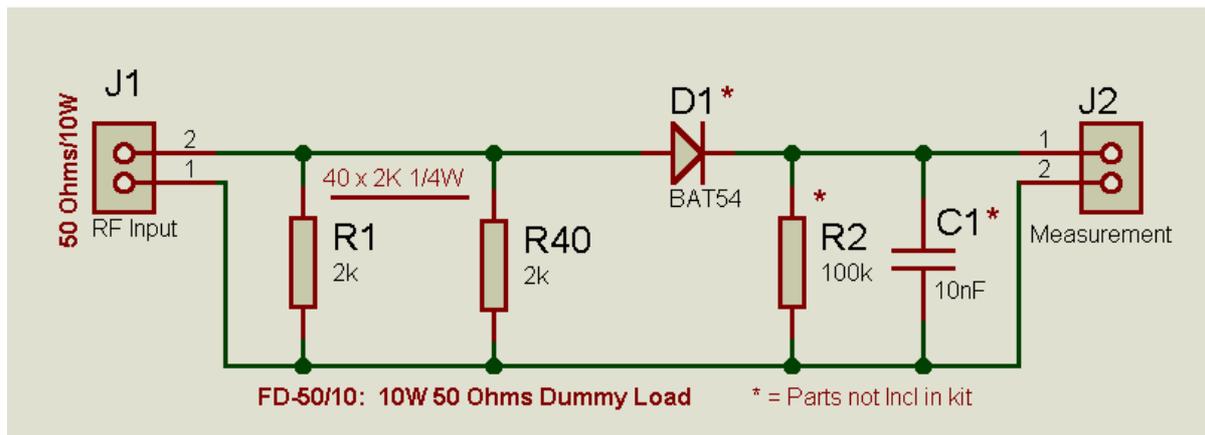
Although basically a resistive dummy load, I have second connector J2 at the other end for two distinct purposes:

1. Measurement of RF DC levels at terminated 50 ohms
2. Output the terminated RF Voltages to J2 for further measurement

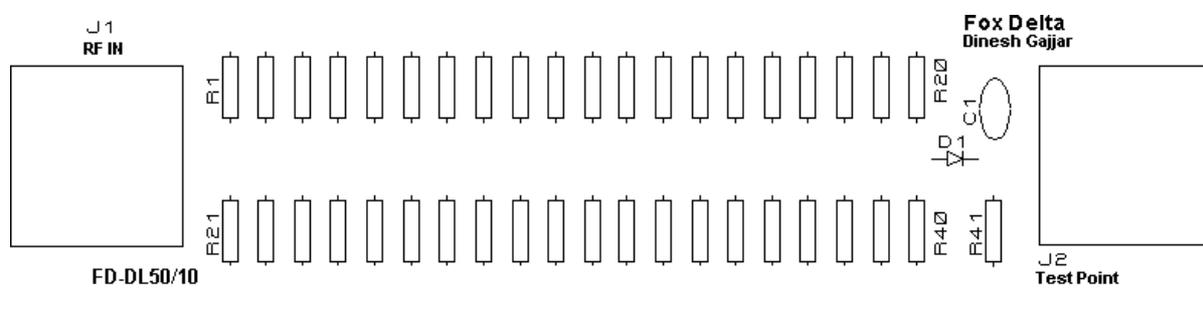
For simple DC RF level measurements, you may install a Diode, a resistor & a RF bypass capacitor to have DC levels at J2.

If RF output is desired at J2 for further measurement, a capacitor may be installed in place of D1 and an economical RF Power Meter such as [PM1](#) or [PM2](#) or any other RF Measuring device, including a [Frequency counter](#), may be attached.

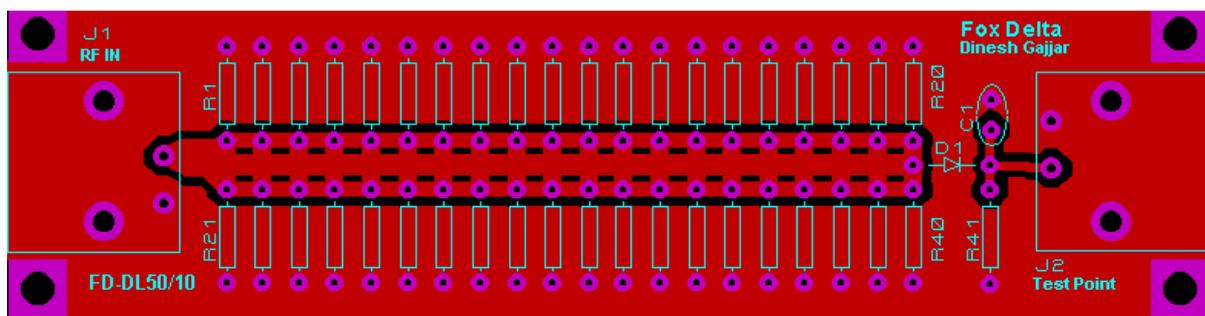
## Schematic of the 10W Dummy Load:



## Silk Snap of the DL50/10:



## Picture of the Double sided PTH PCB:



## Kit Parts List:

Quantity	Part Name/Details
40	2K 1/4W 5% Resistors
2	BNC R/A Sockets
1	DL50/10 PCB

73s

Dinesh Gajjar/VU2FD

16<sup>th</sup> April 07

For more details, please visit Project Page: <http://www.foxdelta.com>