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Acceptance Test Specification for the EEL1

AN Cleeves

Introduction

The EEL1 is a TTL to optical convertor intended for use in CTS. They are supplied with four individual circuits on a single PCB arranged in such a way as to allow them to be cut into separate boards.

Distribution: K Reed, K Fullard

1. Hardware Requirements

+5V power supply Photodyne Fibre Optic Power Meter Short Fibre Optic Cable

2. Mechanical Inspection

Examine the board to see that it is complete and has not been damaged in transit.

3. Electrical Tests

3.1 Using wires and crocodile clips, connect the +5V supply to the board. Using the short fibre optic cable, connect the first optical transmitter to the Optical Power Meter. Ground the input to this channel and check that the output is better than -12.5dBs.

3.2 Repeat for the other channels.