

Optical Comms Components and Modules for Sale G4JNT

All prices are subject to haggle / negotiation / multi discounting. Contact me for details
Further details of most items can be seen at www.g4jnt.com/OpticalComms/OpticalComms.htm

Transmitters and Sources

- One Watt LED mounted inside old SLR camera with 300mm lens. Gives approx. 1 degree beamwidth.
Includes a linear amplitude modulator with line input and switchable 400Hz / 12.5kHz / 25kHz tone source. SMPSU module gives cool operation from 12V input
£25 for camera source optics and PSU modulator
- Complete 3 Watt RED LED beacon source with linear modulator.
Comes with JT4 subcarrier generator. PIC DDS generates the subcarrier, Garmin GPS module and another PIC generate the JT4 tones. Alternate PIC code would allow WSPR etc.
£25 for both items (can be separated)
- 512 Yellow LEDs mounted in a block, and consuming around 25 – 30 Watts total (from a motorway gantry sign, a single character). LEDs run from approx. 20 – 25V With SMPSU for 12v input, and linear modulator up to 25kHz bandwidth for subcarrier operation
£30 for LEDs and PSU / Modulator
- 5 Watt RED LED and heatsink £5
- Phatlight and suitable 3.3V SMPSU module Offers ?

Receivers and Converters

- Three photodiode heads, two based loosely on the published designs, and giving similar results. One based around an off the shelf amplified photodiode.
£5 each
- Complete 25kHz subcarrier FM transceiver. Microphone input, loudspeaker etc. Line level drive to LED modulator
£8
- 22 to 25kHz subcarrier direct conversion receiver. (LC tuned)
£5
- 144MHz to subcarrier transverter – designed for compatibility with IC202 transceivers. Tx attenuator, relay switched and diode ring mixer, Xtal LO
£5
- LED test source. Pulse generator with logarithmically switched current drive to LED for receiver testing
£5