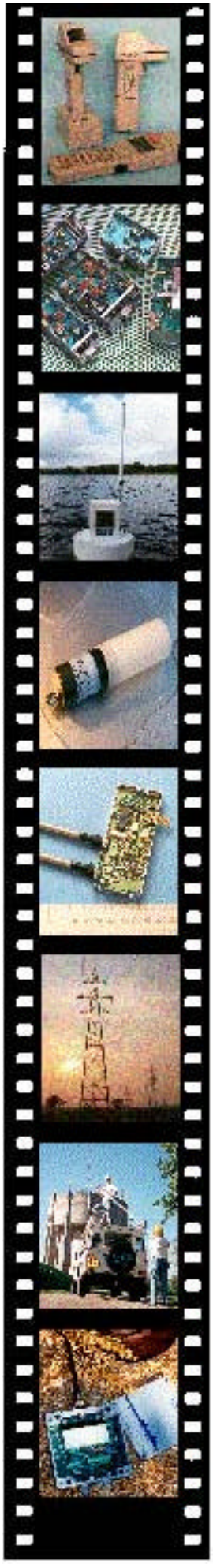


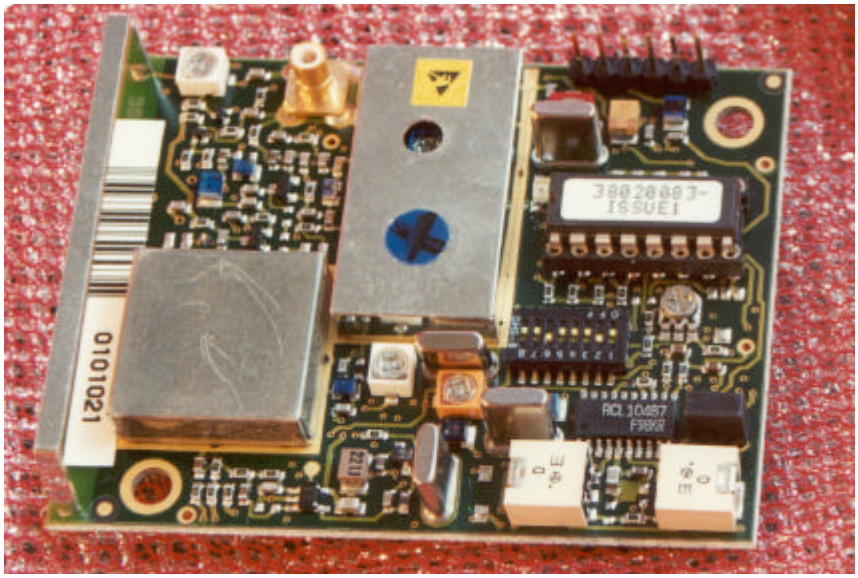
Radio-Tech Limited

Year 2000 Complia

DTR100-Transceiver with International Approvals

The only LONWORKS approved Transceiver in the World!

- UK, European, USA and Australian approved.
- Up to 10mW output power via on board loop antenna or SMB/SMC 50 Ohm R.F connector.
- 5V dc operation, with low power sleep mode control. .
- Logic level data input to 9600bps (100us to 300us pulse widths for optimum performce)
- Ribbon cable interface pin header connector or PCB mounting pins.
- Channel change via DIP switch . Up to 64 channels available per band, at 25KHz steps.
- Stability +/- 5ppm from -20 to +55 Centigrade
- Self contained PCB for independent mounting.
- 100% VSWR output protected.



DTR100 Transceiver

- Measures only 70mm x 55mm x 18.5mm including antenna and connectors.
- -20Centigrade to +55 Centigrade operation.
- UK & International Frequency Options, all fully certified.

Frequency Range	Channels Available	Approval	Country
433-435MHz	64 @ 25KHz steps	EN-300-220-1	UK & EU
458.5 to 458.875MHz	16 @ 25KHz steps	MPT1329	UK
464-646MHz	64 @ 25KHz steps	FCC-Part 90	USA
472-472.1MHz	4 @ 25KHz steps	AS.	Australia

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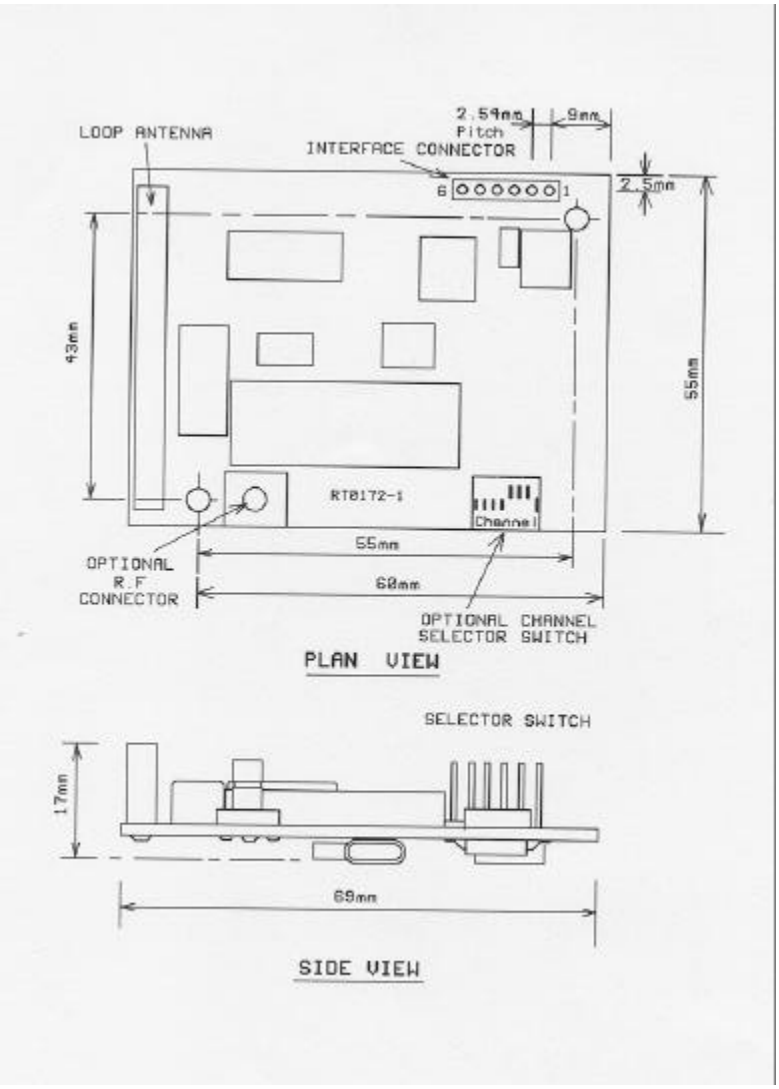
DTR100 for Radio Telemetry, Remote Controls & Process Automation!

DTR100-Transceiver offers industry a new approach to high performance radio telemetry with the confidence of World wide approvals. Traditionally manufacturers are faced with re-laying their PCB's to accommodate the footprint of a radio module, provision for the connection of either an on board or separate antenna and having to change crystals to change channel frequency. Not however the case with the DTR100.

The DTR100 combines a high quality Synthesised frequency agile transmitter with an on board loop antenna, SMB or SMC connector, DIP switch for channel selection of channel number, all on a self contained PCB.



Connections:

Pin 1 = Ground / oV

Pin 2 = + 5V

Pin 3 = Sleep Mode 1 = Wake, O = OFF

Pin 4 = RX-Data output

Pin 5 = TX Data input

Pin 6 = TX Enable (1 = On 0 = Off)

For simplex operation, please take a look at the new TAA-100 series of transmitters and receivers.