

LPT400

Very Low Power Transmitter Family

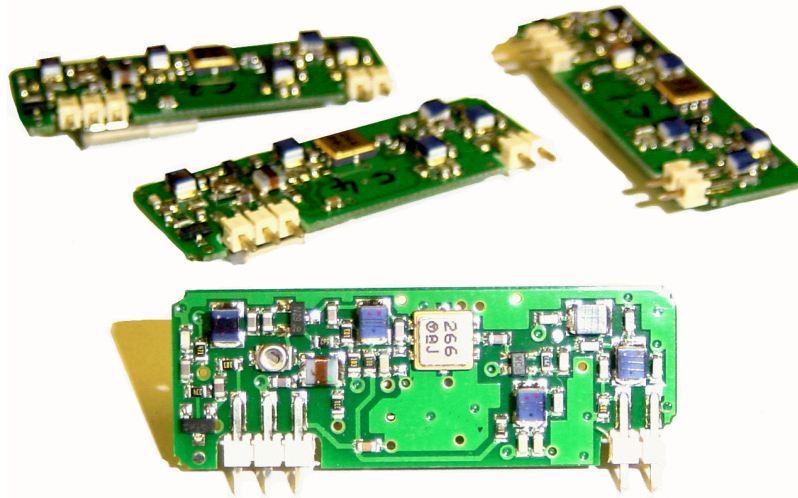
10mW RF

SIL module

3V Operation

ETSI & FCC versions

Cost effective



The LPT400 family has been designed to satisfy OEM needs for low power transmitter modules in cost conscious applications.

Unlike other W&D OEM modules the LPT family are crystal controlled. This reduces current consumption but makes frequency agility a problem. This means that they are really suited to high volume fixed frequency applications.

Crystal operation is however ideal for high vibration environments.

There are currently three versions of the LPT400 family.

LPT433 operates at 433.9125MHz to satisfy ETSI low power device applications.

LPT458 operates at 458.825 MHz for use in the UK alarms allocation.

Both these units meet ETS 300 220

LPT464 operates at 463.9125 MHz and is designed for FCC applications under Part 90 rules.

Non standard frequencies can be made to order subject to satisfactory volume.

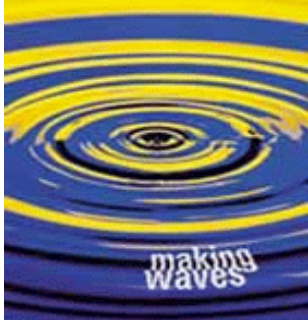
The LPT400 can be supplied in high volumes at very competitive prices. Low volume applications will be better suited to other W&D hardware.

A 100mW version of the LPT458 is being considered for longer range alarm applications.

The modules require a 3V supply voltage and comfortably deliver 10mW RF output



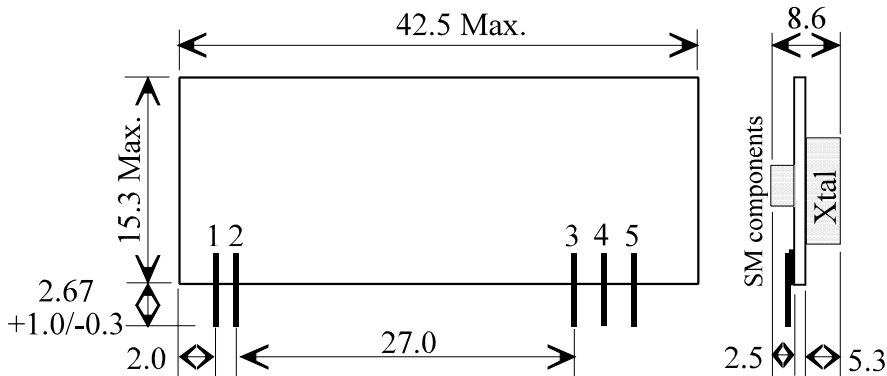
1893 2027 1.0 \ Aug 2003



LPT400 Low Power Transmitter Family

RF Parameters	
Europe	433.9125 MHz
UK	458.825 MHz
US	463.9125 MHz
RF Output	10mW (-1/+2dB @ 3.4V DC)
Channel spacing	12.5kHz
Frequency stability	+/-2.5kHz over -10°C to +55°C
Output Impedance	50 ohm
Modulation type	Direct FSK
Deviation	+/- 1.0 to 2.0 kHz (3.4V sine wave @ 1kHz)
Power on time	2ms (to 90% power)
General	
Supply voltage	3.4V stabilised required
Supply current	15mA at 3.4V
Connections	2.5mm pitch edge connectors
Size	42.5mm (L) x 15.3mm(W) x 9.0mm (D)

Wood & Douglas maintain a policy of continuous improvement and enhancement. As a consequence, the above specification may change without notice.



Note: all dimensions in mm
2.54 pin spacing



Wood & Douglas Ltd
Lattice House
Baughurst
Tadley
Hants RG26 5LP
United Kingdom

Tel : +44 (0) 118 981 1444
Fax : +44 (0) 118 981 1567

info@woodanddouglas.co.uk
www.woodanddouglas.co.uk