



Technical Data

Data Transmitter Modules inside POCSAG Encoder

Sub-1GHz ISM Band Frequency Synthesized Transmitter



Main Function

- FSK Modulation
- 1 channel programmed frequency
- 1 POCSAG Encoder with message inside for option
- High power output up to 5W
- Wide operational frequency range
- Any 2 level data formats
- Data rate up to 6 Kbps.
- Wide operation temperature from -30°C -- +70°C
- Small Size: 95mm X 35mm X17mm
- BNC or SMA jack on board
- SMA or BNC jack with cable for option

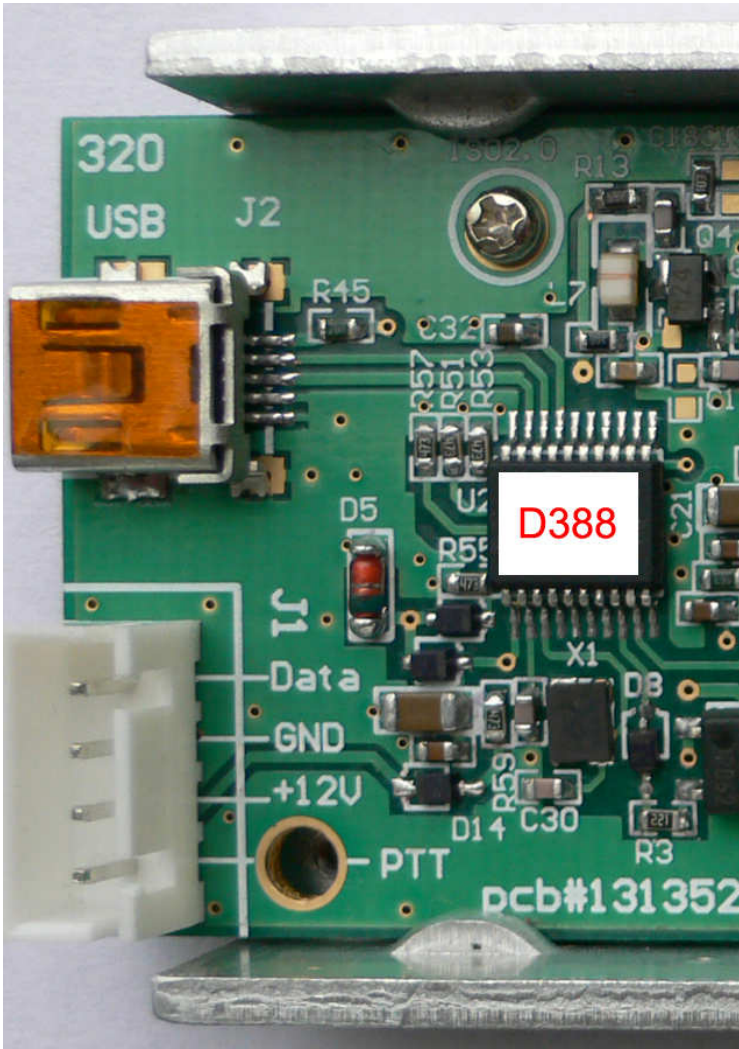
Application

- Remote Controls
- Home and building automation
- Paging system
- Telemetry

-Specification-

Description	TX-115L			
Frequency Range	315/434/868/915 MHz			
Frequency stability	10 ppm Typ. at 25°C .			
Channel spacing	12.5Khz or 25Khz.			
Data Rate	From 512bps up to 6 Kbps. (deviation 4.5K).			
Modulation	Direct 2level FSK.			
Deviation	Typ 5K Max			
Spurious and Harmonics	-60dBm.			
POCSAG Encoder	1 copcode 512/1200/2400bps Alphanumeric message			
Harmonic distortion	<2.5% maximum at 1200 bps.			
RF Power output (Adjustable)	1-2 Watt			
Duty Cycle at 25°C by 12V	100% at 1 W	70% at 2W	60% at 3 W	50% at 5 W
Antenna Impedance	50Ω			
Transmitter attack time	<2mS for within 6K bps operation speed			
RF Output Jack	Standard. BNC or SMA Female on Board Option. SMA or BNC Female + 110mm RG174A/U cable			
Power Supply	DC 12V. (10V-13.8V).			
Temperature	-30°C — +70°C			
Current Drain (Max)	900mA			
Module Size	95mm X 35mm X 17mm			
Weight. (with BNC Jack)	40 grams.			

I/O Connector and USB



J1 Main I/O

Pin 1 Data (must check the data phase to meet receivers)

Pin 2 GND

Pin 3 DC 12V + (max 1A)

Pin 4 PTT Low for TX active

J2 Mini USB

Via USB to Programming for Frequency and POCSAG Code with message ..etc.