



## RF Modul DPH1276C169

High Range RF Modul for difficult application

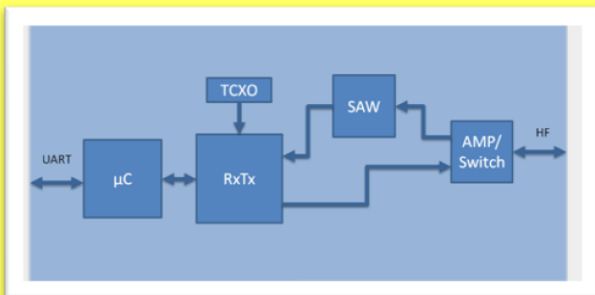
### High Range RF Transmitter Receiver Modul

#### Key Features:

- Frequency band 169MHz
- Modulation FSK / LoRa
- Data rate up to 19.2kbit/s in FSK / 1170 bit/s LoRa
- Link Budget 175 dB (18bit/s)
- Link Budget 155 dB (1170bit/s)
- Stable Clock reference from TCXO
- Bidirectional data transfer
- Simple implementation via UART
- Integrated Power Amp and SAW Filter
- UART interface simplifies data transfer

#### Applications:

- Meter Reading, Long Range,
- Read out sensor nodes



# Product Brief

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Characteristics					
Parameter	Min	Typ	Max	Unit	Condition
<b>Operating Conditions</b>					
Operating temperature range	-20		75	°C	
Operating supply voltage	2.1		3.6	V	27dBm at 3.6V
<b>Current Consumption</b>					
Current consumption Tx		375		mA	
Current consumption Rx		19		mA	
<b>RF Characteristics</b>					
Frequency range	166		172	MHz	Build for SRD Band 169.4 - 169.75 MHz
Bandwidth			50	kHz	
Link budget	155		175	dB	
Data rate RF FSK	1.2		19.2	kbit/s	
Data rate RF LoRa	18		1170	bit/s	
Tx Output power	-8	27		dBm	High efficient bypass for Amp -8 to 12 dBm Tx Power 1dB Steps
Range					>10 km (Line of sight)
Modulations					FSK / LoRa

Visit our website to locate the most current product specifications, datasheets and contact information for your local Distributor.

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