

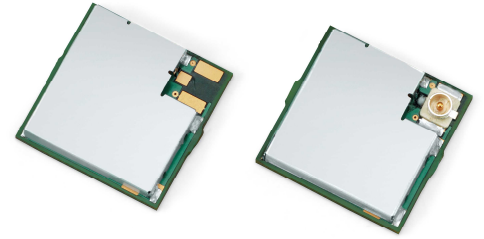
Sigfox RF Module WF941 Series

For Japanese Market Only

Achieves low power consumption of about 38% less than our conventional products

■ Features

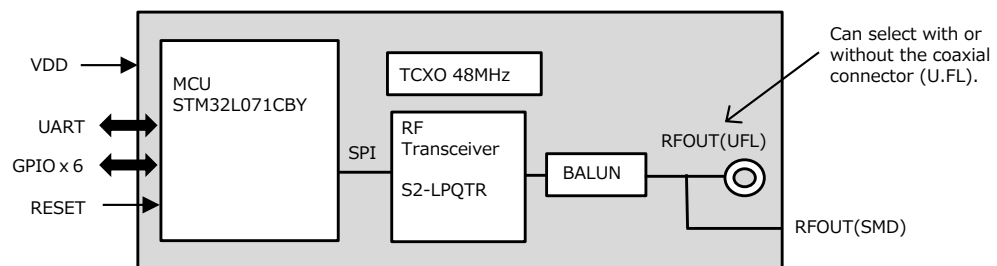
1. High output :12dBm (Typ.), Low power consumption.
2. External antenna, small surface mount type (with / without coaxial connector).
3. WF931 series and shape (size, mounting), command compatible product.
4. Sigfox Verified Certification(Module certification) and Japan Radio Law certification are acquired.



■ Major Specifications

	UP LINK	DOWN LINK
Frequency	923.2MHz (Bandwidth : 192kHz)	922.2MHz
Sigfox RC/Regulation	Sigfox RC3C、ARIB STD-T108	
Dimension	13.0mm(W)×13.0mm(D)×2.3mm(H)	
Upper Interface	UART (I ² C)	
RF Output Power (Typ.)	+12dBm	
Receive Sensitivity (FER=0%)	-	-122dBm
Transmission Speed	100bps	600bps
Supply Voltage	DC1.8~3.6V	
Current Consumption (VDD=3.3V) (Typ.)	TX : 33mA、RX : 11mA Sleep : 1.0μA	
Payload Length (Max.)	12bytes	8bytes
Antenna	External	
Operating Temperature Range	-30°C~+85°C	
Certification	Sigfox RC3 P1(Module), Radio Law:Japan	

■ Block Diagram



■ Applications

Security equipment, Monitoring equipment, Environment monitor, etc.