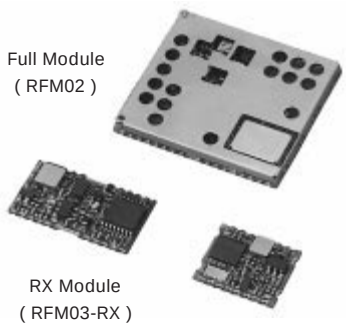
Series : **RFM**

Part No.: **ENW5□□□□□**

Small signal system RF main circuit for cellular phones packed in a compact module



Features

- Meeting requirements for variations in compact package design using SMD employed for RF main circuit
- Standardized RF design for reduction of product development lead time
- High performance, low power consumption , high reliability design
- Reduction of production lead time

Recommended Applications

- PDC
- Meeting requirements for digital cellular phones (TACS / CDMA dual mode, AMPS / CDMA dual mode, PCS band CDMA, GSM)

■Performance Specifications, Summary (Example)

● Full Module (RFM02)

Vcc = 3 V

Items		PDC		
		800 MHz (Wide)	800 MHz (Single)	1.5 GHz
1. TX Po	dBm	–3	– 3	–3
2. TX VER	%	4.5	4.5	5.0
3. TX ACP (± 50 kHz)	dBc	– 60	– 62	– 60
4. RX Sensitivity	dBm	–117	– 117	–117
5. RX ACS (± 50 kHz)	dBc	– 49.5	–50	–50
6. Icc (RX / TX)	mA	46 / 62	43 / 60	38 / 60

● RX Module (RFM03-RX)

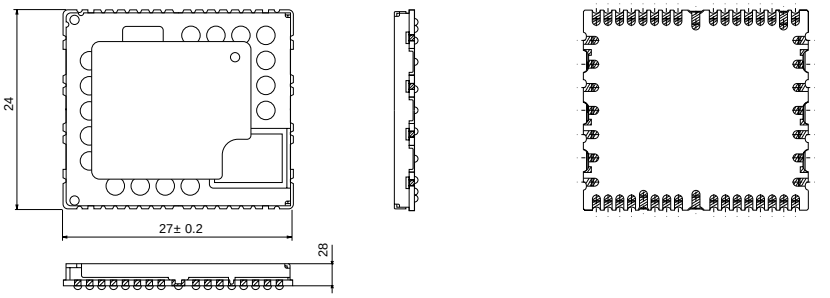
Items		PDC 800 MHz (Wide)
1. RX Sensitivity	dBm	– 117
2. RX ACS (± 50 kHz)	dBc	– 50
3. Icc (RX)	mA	40

● TX Module (RFM03-TX)

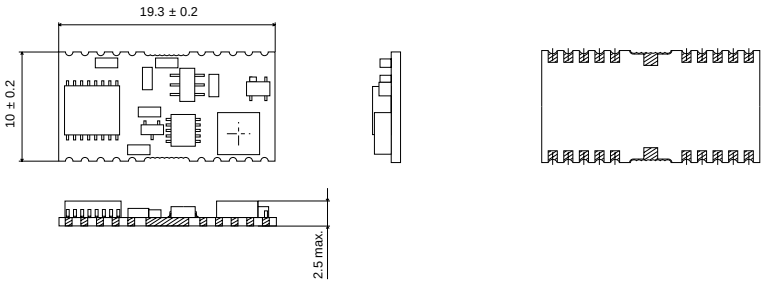
Items		PDC 800 MHz (Wide)
1. TX Po	dBm	7 to – 26
2. TX VER	%	2.5
3. TX ACP (± 50 kHz)	dBc	– 63
4. Icc (TX)	mA	12

■ Dimensions in mm (not to scale)

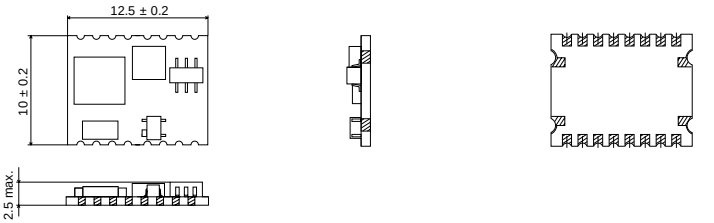
● Full Module (RFM02)



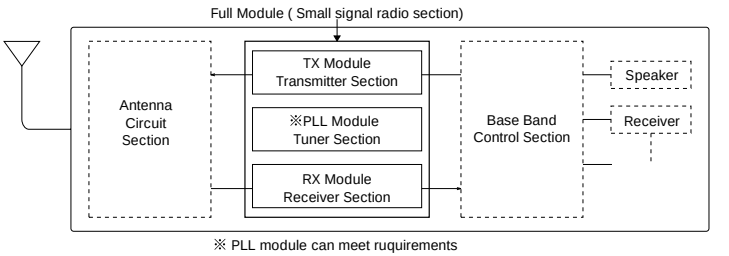
● RX Module (RFM03-RX)



● TX Module (RFM03-TX)



■ System Diagram (RFM)



※ PLL module can meet ruquirements