

TAIYO YUDEN

Bluetooth® Module

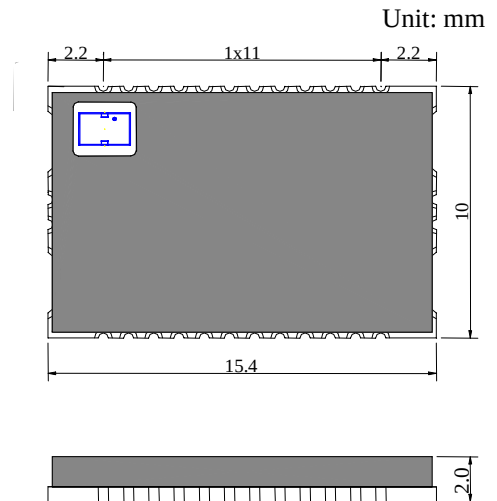
Class2 UART Full Module

EYSF2CAUX

Features

- The module is a Max.4dBm(Class2) module.
- Bluetooth® standard Ver. 1.2 conformity.
- Internal baseband clock oscillator.
- Internal 1.8V regulator
- Low current consumption
- Support functions
SCO links,ACL links,Piconet<7>,Hold,Sniff,Park, AFH, Faster connection
- Interface:EYSF2CAUX:UART&PCM(for voice CODEC)
- Protocol stack:Under HCI firmware
- Small outline. **15.4 x 10 x 2.0 mm**

Outline



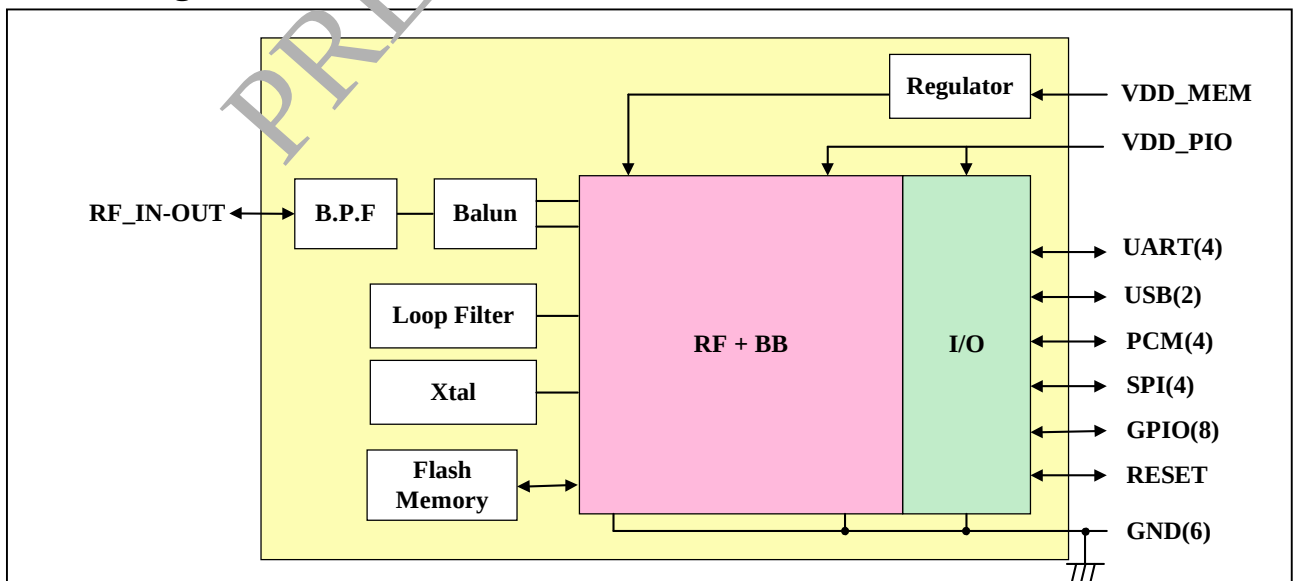
Applications

- Notebook PC
- PDA
- Cellular Phone

General Electrical Specification

Parameter	Description	Min.	Typ.	Max.	Units
Carrier Frequency		2.402		2.480	GHz
Operating Voltage (VDD_MEM)		3.00	3.30	3.60	V
Operating Voltage (VDD_PIO)		3.00	3.30	3.60	V
RF Output Power	measured in 50 ohm	-6	0	4	dBm
RX Sensitivity			-83	-70	dBm
Load Impedance	No abnormal Oscillation			5:1	-
Input Low Voltage	RESET, UART, GPIO, PCM	-0.30	-	0.80	V
Input High Voltage	RESET, UART, GPIO, PCM	0.70VDD_PIO	-	VDD_PIO+0.30	V
Output Low Voltage	UART, GPIO, PCM	-	-	0.40	V
Output High Voltage	UART, GPIO, PCM	VDD_PIO-0.40	-	-	V
Average Current Consumption	Receive DM1		46	-	mA

Block Diagram



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