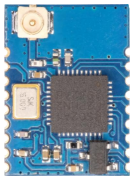
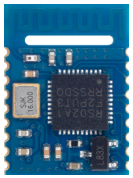
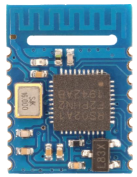
Shenzhen RF-star Technology Co., Ltd.
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RF-star IC-Based Series BLE Modules					
Part Number	**RSBRS02ABRI**	**RSBRS02ABR-01**	**RSBRS02ABR**	**RSBRS02AI**	**RSBRS02AA**
Photo					
IC	RS02A1-B			RS02A1-A	
Core	48 MHz ARM® Cortex®-M0+			48 MHz ARM® Cortex®-M0+	
RAM	36 kB + 4 kB			32 kB	
Flash	256 kB			256 kB	
Protocols	BLE5.0, BLE 2M PHY			BLE5.0, BLE 2M PHY	
UART Protocol	Slave only			Master-slave	
Power Supply	2.3 V ~ 3.6 V, recommend to 3.3 V			1.8 V ~ 3.6 V, recommend to 3.3 V	
Max. TX Power	+5 dBm			+7 dBm	
Receiving Sensitivity	-94 dBm @1 Mbit/s BLE			-95 dBm @1 Mbit/s BLE	
GPIO	11			13	
Antenna	IPEX	PCB	PCB	IPEX	PCB
Transmission Range	200 m (exteral PCB antenna)	130 m	130 m	180 m (exteral PCB antenna)	50 m
Dimension (mm)	15.2 x 11.2 x 2.3	15.2 x 11.2 x 2.0	15.2 x 11.2 x 1.8	15.2 x 11.2 x 2.1	15.2 x 11.2 x 1.7
Certifications	BQB	BQB, FCC, CE, SRRC	BQB, FCC, CE,	N/A	N/A
Working Temperature	- 40 ℃ ~ +85 ℃				
Storage Temperature	-40 ℃ ~ +125 ℃				
Functions	EV charger, consumer electronics				

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