



S-POWER ELECTRONICS LTD.

...iSmarter wireless connectivity

## ISM Band Serial Interface RF Receiver Module

S-Power's BG1W4313/4317 OOK RF module and BG1W4101 FSK RF module work in the sub1GHz ISM band with manufacturing friendly SIP style package. The receiver offers high sensitivity super regna and super-het receiver topologies to provide high performance at very low cost, making it the first choose for high volume production. Output harmonic emissions are easy to control, making FCC and ETSI compliance with minimum efforts.



Part No	Max Supply Voltage	Receiving Sensitivity	Receiver circuit topology	Modulation	Frequency	Power consumption	Power down	Embedded LDO	Min. start up delay	Max. Rate (Bit)	Package
BG1W4313	6V	-101dBm	Super-regna	OOF	868~915MHz	2 mA	<0.01 uA	✓	100ms	4kbps	23.3 x 18.5 x 6.0 mm SIP
BG1W4317	3.5V	-108dBm	SAW base Super-Het	OOF	315~ 433.92MHz	4.2 mA	<1uA	-	200us	4kbps	23.3 x 18.5 x 6.0 mm SIP
BG1W4330	5V	-100dBm @3V	PLL based Super-Het	OOF / FSK	315~915MHz	8 mA	N/A	-	15ms	20kbps	23.3 x 18.5 x 6.0 mm SIP



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