

Model	Signal						Electrical			Env	Physical	
	Modulation Type	ISM Band Freq (MHz)	Max Data Rate (kbps)	Max Open Air Dist (km)	Tx Pwr Max (dBm)	Rx Sensitivity (dBm)	Rx / Tx Current (mA)	Stand-By Current	Pwr Supply (V)	Operating temp (C)	Interface	Dimensions LxWxH (mm)
<b>2.4GHz Transceiver Modules</b> (half duplex, uni-directional)												
RFM75-S	GFSK	2400-2483.5	2000		20				1.9~3.6	-55~115		17x8x3
RFM75P-S2	GFSK	2400-2483.5	2000		20				1.9~3.6	-55~115		17x8x3
<b>Sub-GHz LoRa™ Transceiver Modules</b> (selectable LoRa or FSK/OOK modem)												
RFM95W-915	LoRa	915	300	5~8	20	-148	12 / 120	0.2uA	1.8~3.7	-55~115	TTL	16x16x1.8
RFM95PW-915	LoRa	915	300	10+	30	-136	13 / 120	0.2uA	1.8~3.7	-55~115	TTL	35.2x18x3.9
RFM96W-433	LoRa	433	300	5~8	20	-139	12 / 120	0.2uA	1.8~3.7	-55~115	TTL	16x16x1.8
RFM98PW-433	LoRa	433	300	10+	30	-136	13 / 120	0.2uA	1.8~3.7	-55~115	TTL	35.2x18x3.9
<b>Sub-GHz 100mW Transparent Data-link Transceiver Modules</b>												
HM-TRLR-D-433	LoRa	433	115.2	5+	20	-139	20 / 130	2uA	3.3~5.5	-55~115	TTL	47x26
HM-TRLR-D-915	LoRa	915	115.2	5+	20	-139	20 / 130	2uA	3.3~5.5	-55~115	TTL	47x26
HM-TRLR-S-433	LoRa	433	115.2	5+	20	-139	16 / 130	2uA	2.4~3.6	-55~115	TTL	20x16x2
HM-TRLR-S-915	LoRa	915	115.2	5+	20	-139	16 / 130	2uA	2.4~3.6	-55~115	TTL	20x16x2
HM-TRP-433	LoRa	434	115.2	1+	20	-117				-55~115	TTL	20x16x2
HM-TRP-915	LoRa	915	115.2	1+	20	-117				-55~115	TTL	20x16x2

For more information, contact:

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(Sydney, Australia)

Model	Signal						Electrical			Env	Physical	
	Modulation Type	ISM Band Freq (MHz)	Max Data Rate (kbps)	Max Open Air Dist (km)	Tx Pwr Max (dBm)	Rx Sensitivity (dBm)	Rx / Tx Current (mA)	Stand-By Current	Pwr Supply (V)	Operating temp (C)	Interface	Dimensions LxWxH (mm)
<b>Sub-GHz Transceiver Modules</b>												
<b>RFM69W-433</b>	(G)FSK/OOK	433	300	0.6	13	-120	16 / 45	0.1uA	1.8~3.6	-55~115	TTL	19.7x16x1.9
<b>RFM69W-915</b>	(G)FSK/OOK	915	300	0.6	13	-120	16 / 45	0.1uA	1.8~3.6	-55~115	TTL	19.7x16x1.9
<b>RFM69CW-433</b>	(G)FSK/OOK	433	300	0.6	13	-120	16 / 45	0.1uA	1.8~3.6	-55~115	TTL	16x16x1.9
<b>RFM69CW-915</b>	(G)FSK/OOK	915	300	0.6	13	-120	16 / 45	0.1uA	1.8~3.6	-55~115	TTL	16x16x1.9
<b>RFM69HW-433</b>	(G)FSK/OOK	433	300	1	20	-120	16 / 130	0.1uA	1.8~3.6	-55~115	TTL	19.7x16x1.9
<b>RFM69HW-915</b>	(G)FSK/OOK	915	300	1	20	-120	16 / 130	0.1uA	1.8~3.6	-55~115	TTL	19.7x16x1.9
<b>RFM69HCW-433</b>	(G)FSK/OOK	433	300	1	20	-120	16 / 130	0.1uA	1.8~3.6	-55~115	TTL	16x16x1.9
<b>RFM69HCW-915</b>	(G)FSK/OOK	915	300	1	20	-120	16 / 130	0.1uA	1.8~3.6	-55~115	TTL	16x16x1.9

**NOTES:**

RFM69W & RFM69CW are functionally the same. Only the pin-outs are different, with the RFM69CW compatible with older RFM12B modules

RFM69HW & RFM69HCW are functionally the same. Only the pin-outs are different, with the RFM69HCW compatible with older RM22B/RFM23B modules.

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	Modulation Type	ISM Band Freq (MHz)	Max Data Rate (kbps)	Max Open Air Dist (km)	Tx Pwr Max (dBm)	Rx Sensitivity (dBm)	Rx / Tx Current (mA)	Stand-By Current	Pwr Supply (V)	Operating temp (C)	Interface	Dimensions LxWxH (mm)
<b>Enhanced Power Sub-GHz Transceiver Module</b>												
RFM23BP-433	(G)FSK/OOK	433	256		30	-120	25 / 550	1uA	3.3~6.0	-55~115	TTL	33x18x2
RFM23BP-915	(G)FSK/OOK	915	256		30	-120	25 / 550	1uA	3.3~6.0	-55~115	TTL	33x18x2
<b>Sub-GHz Transmitter Modules</b>												
RFM110W-433	OOK	240~480	30		13		12.4	20nA	1.8~3.6	-55~115	TTL	17.8x12.8x5
<b>Sub-GHz Receiver Modules</b>												
RFM210W-433	OOK	434	10			-108	3.8	60nA		-55~115	TTL	
RFM83C-433	OOK	434	2.5			-108	3	0.9uA	3.6~5.5	-55~115	TTL	32X11x4.3
RFM85W-433	ASK/OOK	434	2.5			-110	3	0.9uA	3.6~5.5	-55~115	TTL	32X11x4.3

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