

## Antennas for RF Module



DORJI cooperates with its strategic partner in antenna design and production and provides smart SMA antennas with different length and degree in order to meet the rigid requirements from various applications.

According to degree, antennas can be divided into 90 degree (bended) antenna and 180 degree (straight) antenna. In antenna length DORJI offers 100mm, 64mm, 47mm and 45mm for selection. All of antennas on this page are only for ISM frequency bands below 1GHZ.

### Nomenclature Rules

	NUM.	SYMBOL	MEANING
<b>DAA 043 SA 100 N</b> ① ② ③ ④ ⑤	①	Part Type	DORJI - Accessories - Antenna
	②	Frequency Band	043-->433MHz 086-->868MHz 091-->915MHz
	③	Antenna Interface	SMA connector
	④	Antenna Length	100-->100mm 064-->64mm 047-->47mm 045-->45mm
	⑤	Antenna Degree	N-->90 degree S-->180 degree

For more information about antenna's parameters, please click the link [Product Selector](#) for details. Users who bought antennas before September 1st, 2010 please note that the former part names DAA043SC01 and DAA043SC11 have been adjusted to DAA043SA100S and DAA043SA100N correspondingly.



## Comparison Table for Antennas

Part Type	Freq.	VSWR	Impedance	Max. Power	Gain	Polarization	Weight	Height	Color	Conn
DAA043SA100N	433+/-5Mhz	≤1.5	50Ohm	40dBm	3.0dBi	Vertical	10.5g	100mm	Black	SMA
DAA086SA100N	869+/-10Mhz	≤1.5	50Ohm	40dBm	2.15dBi	Vertical	10.5g	100mm	Black	SMA
DAA091SA100N	915+/-13Mhz	≤1.5	50Ohm	40dBm	2.15dBi	Vertical	10.5g	100mm	Black	SMA
DAA043SA100S	433+/-5Mhz	≤1.5	50Ohm	40dBm	3.0dBi	Vertical	9.1g	100mm	Black	SMA
DAA086SA100S	869+/-10Mhz	≤1.5	50Ohm	40dBm	3.0dBi	Vertical	9.1g	100mm	Black	SMA
DAA091SA100S	915+/-13Mhz	≤1.5	50Ohm	40dBm	3.0dBi	Vertical	9.1g	100mm	Black	SMA
DAA043SA064S	433+/-5Mhz	≤1.5	50Ohm	40dBm	3.0dBi	Vertical	7.0g	64mm	Black	SMA
DAA086SA064S	869+/-10Mhz	≤1.5	50Ohm	40dBm	3.0dBi	Vertical	7.0g	64mm	Black	SMA
DAA091SA064S	915+/-13Mhz	≤1.5	50Ohm	40dBm	3.0dBi	Vertical	7.0g	64mm	Black	SMA
DAA043SA047S	433+/-5Mhz	≤1.5	50Ohm	40dBm	2.5dBi	Vertical	5.3g	47mm	Black	SMA
DAA086SA047S	869+/-10Mhz	≤1.5	50Ohm	40dBm	2.5dBi	Vertical	5.3g	47mm	Black	SMA
DAA091SA047S	915+/-13Mhz	≤1.5	50Ohm	40dBm	2.5dBi	Vertical	5.3g	47mm	Black	SMA
DAA043SA045N	433+/-5Mhz	≤1.5	50Ohm	40dBm	2.5dBi	Vertical	7.2g	45mm	Black	SMA
DAA086SA045N	869+/-10Mhz	≤1.5	50Ohm	40dBm	2.15dBi	Vertical	7.2g	45mm	Black	SMA
DAA091SA045N	915+/-13Mhz	≤1.5	50Ohm	40dBm	2.15dBi	Vertical	7.2g	45mm	Black	SMA
DAA043SP017N	433+/-5Mhz	≤1.5	50Ohm	40dBm	2.15dBi	Vertical	1.0g	17mm	Gold	Spring
DAA043SP022N	433+/-5Mhz	≤1.5	50Ohm	40dBm	2.15dBi	Vertical	1.0g	22mm	Gold	Spring