



Pulse Antennas for ISM 868/915MHz

Rev C.02 (Feb. 2017)

Style	App.	Antenna Type	Part No.	RF Performance				ME requirement					Note
				Frequency Range (MHz)	RL, Min. (dB)	Gain, Peak (dBi)	Efficiency, Avg. (%)	Antenna DIM. (L x W x H,mm)	GC-area (L x W,mm)	Board Size (L x W,mm)	Cable Type, Length (mm)	Connector type	
Embedded (SMD)	ISM 868	Ceramic chip	W3000	868-870	-15	-1.4	30	7 x 1.6 x 1.6	20 x 9.50	40 x 20	-	Feed trace on board	Vertical, tuned by stripline
			W3013	868-870	-11	1.5	65	10 x 3.2 x 4.0	10.80x8.25	80 x 37	-	Feed trace on board	Center edge
			W3016	868-870	-19	-2.2	25	10 x 3.2 x 4.0	11.50 x 7	25 x 25	-	Feed trace on board	Corner, Small GC-area
	ISM 915	Helical	W3117	869-894	-9	0	56	12.4 x 8 x 2.5	8 x 40	100 x 40	-	Feed trace on board	Horizontal, Center top
			W3012	902-928	-6	2	70	10 x 3.2 x 4	10.80x8.25	100 x 37	-	Feed trace on board	Center edge
		Ceramic chip	W3014	880-960	-7	-0.5	45	10 x 3.2 x 1.5	40 x 16	96 x 40	-	Feed trace on board	Center Top
			W3112A	902-928	-10	0.9	67	2.5 x 8 x 8	6 x 11	100 x 40	-	Feed trace on board	Vertical, Corner
		Helical	W3113	902-928	-10	0.8	66	12.4 x 8 x 2.5	8 x 40	100 x 40	-	Feed trace on board	Horizontal, Center top
			W3331	863-928	-5	1.7	64	45 x 10	3 x 45	118 x 110	-	Feed trace on board	Feed1: Dual WiFi Feed2: Dual ISM
	ISM 868/915	PCB(direct mount)	W3333	863-928	-8	2.3	80	40 x 15	3 x 40	118 x 110	-	Feed trace on board	
Style	App.	Type	Pulse Part No.	Frequency range (MHz)	RL, Min. (dB)	Gain, Peak (dBi)	Efficiency, Avg. (%)	Antenna DIM. (L x W x H,mm)	Cable Alignment w/ Antenna		Cable Type, Length (mm)	Connector type	Note
	ISM-WiFi Combo		W3332B0150	863-928	-5	0.2	55	82 x 15 x 0.56	PERP		L:150 D:1.13	U.FL compatible	ISM 868/915 and 2.4GHz WiFi (two feed cables). Isolation: <-11dB.
				2400-2500	-10	4.1	64						
Style	App.	Type	Pulse Part No.	Frequency range (MHz)	RL, Min. (dB)	Gain, Peak (dBi)	Efficiency, Avg. (%)	Height (mm), straight [Bent]	Diameter (mm), Max [Min]	Package type	Cable Type, Length (mm)	Connector type	Note
External	ISM 868/915	Stick / Swivel	W1063	868-928	-7.5	3	-	195 [172]	13 [6]	A	-	RP-SMA (m)	
			W1063M	868-928	-10	3	-	195 [172]	13 [6]	A	-	SMA (m)	
			SPDA24918	863-973	-10	2	-	222 [202]	11 [6]	A	-	SMA (m)	SPDA17806/2170: TNC
		Stick / no Swivel	W1900	860-930	-10	1	-	49	8	E	Tested on ground plane (70x50mm)	SMA(m), Right Angle	W1901: RP-SMA(m), RA
			W1910	860-930	-10	1	-	49	10.4	F		RP-SMA (m)	W1911: RP-SMA(m)
			W5012	868-928	-8	2	-	179	10	B1	-	RP-SMA (m)	IP65
			W5017	868-928	-8	2	-	179	10	B1	-	SMA (m)	IP65
	App.	Type	Pulse Part No.	Frequency range (MHz)	RL, Min. (dB)	Gain, Peak (dBi)	Efficiency, Avg. (%)	Antenna DIM. (L x W x H,mm)	-	Package type	Cable Type, Length (mm)	Connector type	Note
	ISM 868/915	Stealth Blade	SB800SMA3	806-896	-10	2.14	80	131 x 18 x 1.5	-	D	RG174, L: 914	SMA (m)	IP65
			SB900SMA3	890-960	-10	2.14	80	131 x 18 x 1.5	-	D	RG174, L: 914	SMA (m)	IP65
			SB698SMA3	698-960	-10	2.14	80	105 x 26 x 2.1	-	D	RG316, L: 914	SMA (m)	IP65
Style	App.	Type	Pulse Part No.	Frequency range (MHz)	RL, Min. (dB)	Gain, Peak (dBi)	Efficiency, Avg. (%)	Height (mm),	Diameter (mm), Max [Min]	Package type	Cable Type, Length (mm)	Connector type	Note
Outdoor (IP 65 or IP 67)	ISM 868/915	Stick / no Swivel	W5012	868-928	-8	2	-	179	10	B	-	RP-SMA (m)	IP65
			W5017	868-928	-8	2	-	179	10	B	-	SMA (m)	IP65
		LP	LP800	806-960	-13	3	-	31	143 [95]	G	RG58, L: 914	SMA (m)	Tested on 12x12" GND
		LPT	LPT698/2700DMN	860-930 (698-960)	-10	3	80	77	41	H	-	N (f)	Tested on 12x12" GND
		SLPT	SLPT698/2170DMN	860-930 (698-960)	-10	4	90	79	38	I	-	N (f)	Tested on 19" DIA. GND
		Radome Omni	RO8061/21702NF	860-930 (824-960)	-10	1	-	215	26 [22]	J or K	-	N (f) or N (m)	N (m): W5005
			RO8063/21704NF	860-930 (806-960)	-10	3	-	388	37 [33]	J or K	-	N (f) or N (m)	N (m): RO8063/2170NM
			RO8605NFC	860-930	-10	5	65	795	25 [22]	J	-	N (f)	ROKIT (Bracket)
			RO3ISMNM	430-440 / 860-930	-10	3 / 3	90 / 65	541	37 [33]	J or K	-	N (f) or N (m)	Public safety
	ISM 868	Magnetic mount	MS3E800SMA	806-896	-10	4	-	330	-	L	RG58, L: 914	SMA (m)	
	ISM 915		MS3E900SMA	890-960	-10	4	-	330	-	L	RG58, L: 914	SMA (m)	

Note: 1. See datasheets for details. 2. Sales/FAE contact. Email: antennas.us@pulseelectronics.com. Phone: 800-ANTENNA (268-3662) or 360-944-7551.
<http://www.pulseelectronics.com/products/antennas/>