



Pulse Embedded Antennas for 2G/3G/4G Applications

Rev H.04 (April 2019)

App.	Type	Pulse Part number	RF Performance						ME requirement			Note	Availability
			Frequency range (MHz)	RL Min. (dB)	Peak Gain (dBi)		Efficiency %/(dB)		Antenna DIM. (LxWxH,mm)	GC-area (L x W,mm)	Evaluation Board Size (L x W,mm)		
					Peak	Band edges	Peak	Band edges					
4G/5G	Composite	W3415	617-960	-4	1	-1.7	62	37	40 x 7 x 3	40 x 22	120 x 40	- Top mount : Horizontal - Matching: SH8.2nH	Contact to sales
			1400-1700	-4	3.1	0.5	60	38					
			1710-2700	-4	6.5	3	72	49					
			3400-3900	-4	6.2	5	60	55					
			4900-6000	-4	6.5	1	68	35					
LTE	Composite	W3796	698-960	-6	1.5 (Avg. peak gain)		65 (Avg.)		40 x 7 x 3	40.6 x 15	120 x 40.6	- Top mount: Horizontal - Matching: SE3.3nH+SH0.7pF; SH6.8nH	Stock
			1427.9-1660.9	-5.5	2 (Avg. peak gain)		55 (Avg.)						
			1695-2200	-6	5.5 (Avg. peak gain)		75 (Avg.)						
			2300-2700	-6	5 (Avg. peak gain)		70 (Avg.)						
Penta Band	Composite	W3544A	824-960	-3.7	0.5	1.8	65	44	7.65 x 26 x 3	21 x 33.5 (W3544A)	110 x 50	1. Corner mount (vertical). 2. matching: *SE12nH - W3544AH (different packaging orientation)	Stock
			1710-1880	-4.6	2.9	2.3	74	45					
			1850-1990	-8.6	2.4	1.7	74	64					
			1920-2170	-5.6	2.2	1.1	68	60					
	Composite	W3544B	824-960	-6.5	1	-0.7	70	53	7.65 x 26 x 3	50 x 18 (W3544B)	110 x 50	1. Top mount (Horizontal) 2. matching: 10nH	Stock
			1710-1880	-5.7	2.7	1.7	77	59					
			1850-1990	-9.3	2	1	77	69					
			1920-2170	-5	1.8	0.2	71	58					
Quad band (US)	Ceramic	W3073	824-894	-4.7	0.4	-2.6	51	28	10 x 3.2 x 4	40 x 10	105 x 40	1. Matching: SE10nH+SE12nH+SH12nH. 2. Tuning strip on PCB.	Stock
			1710-1880	-3.5	2.3	0.7	59	40					
			1850-1990	-5.9	2.5	1.6	59	54					
			1920-2170	-3.3	2.2	0.9	58	46					
Quad band (EU)	Ceramic	W3073	880-960	-3.8	1	-1.8	60	34	10 x 3.2 x 4	40 x 10	105 x 40	1. Matching: *SE10nH+*SE10nH+*SH15nH. 2. Tuning strip on PCB.	Stock
			1710-1880	-4.9	2.9	2	70	54					
			1850-1990	-8	2.9	2.5	71	62					
			1920-2170	-4.4	2.8	2.3	67	59					
Dual band (EU)	Ceramic	W3070	880-960	-5.1	1.2	-0.4	65	47	10 x 3.2 x 2	40 x 10	95 x 40	Matching: *SE18nH+*SE10nH	Stock
			1710-1880	-5.7	2.5	1.5	60	50					
Ultra WideBand Antenna for Wireless Sensor Solutions													
UWB (Wireless Sensor)	Ceramic	W3340	6000-8500	-9	2 (Avg. peak gain)		65 (Avg.)		3.2 x 1.6 x 1.1	4.6 x 7	40 x 20	Corner Mount	Stock
	Composite	W3540	2700-8200	-10	5.89	-	80 (Avg.)		10.6 x 12.5 x 0.8	13.75 x 20.15	100 x 50	Corner Mount	Stock

NOTE: 1. "Stock" Stocked parts are typically available from Pulse distribution partners immediately. 2. * SE = Series and *SH = Shunt