

App.	Type	Pulse Part Number	Operating Frequency (MHz)	RL Min. (dB)	RF Performance		Efficiency (%)		Antenna DIM. (LxWxH,mm)	ME requirement		Note	Availability
					Peak Gain (dBi)		Peak	Band edges		GC-area (L x W,mm)	Evaluation Board Size (L x W,mm)		
Single WiFi, BT, Zigbee	Ceramic chip	W3000	2400-2483.5	-18	2.5	2.1	65	55	7x1.6x1.6	6.00x11.00	40x11	3 Matching components Horiz. mount	Stock
				-12	2.2	1.5	53	45		6.00x20.00	30x20		
		W3001		-6	1.5	0.5	75	60	10x3.2x4.0	10.80x6.25	80x37	On Ground solution	Stock
		W3008		-8	1.7	0.7	70	55	3.2x1.6x1.1	4.00x4.25	80x37		Stock
		W3008C		-11	2.2	1.9	75	70	3.2x1.6x1.1	4.00x6.25	80x37		Stock
		W3043		-12	4		70		3.2x1.6x1.1	12x20	37x20	Small PCB size	Leadtime
		W3092		-6	2	0	60	43	2x1.2x0.55	8x2.5	110x55	Small antenna size	Contact to sales for datasheet
Dual WiFi	Ceramic chip	W3108		-8	1.5		50		5.0x2.5x5.5	7.50x5.50	100x40	Vertical SMD Corner @	Stock
		W3006	2400-2483.5	-8	3.2	2.7	70	65	10x3.2x1.5	11.60x6.00	80x37		Stock
			5150-5850	-10	4.2	3.0	80	70					
		W3078	2400-2483.5	-10	1.7	1.0	65	55	3.2x1.6x1.1	11.15x6.40	80x37	@ Corner	Stock
			4950-5850	-6	4.3	3.7	80	55					

App.	Type	Pulse Part number	Operating Frequency (MHz)	RF Performance						ME requirement			Note	Availability		
				RL Min. (dB)	RHCP Gain (dBic)		Linear 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	Peak	Band edges						
GPS Only	Ceramic chip	W3000	1575.42 +/-10	-15	-3.9	-4.1	0.3	0	50/-3	45/-3.5	7 x 1.6 x 1.6	6 x 20	30 x 20	3 Matching components	Stock	
				-12	-3.5	-3.9	0.1	-0.2	50/-3	45/-3.5		6 x 11	40 x 11			
		W3009		-11	0.2	-0.6	3	2.3	83/-0.8	70/-1.5	10 x 3.2 x 4.0	10.80 x 6.25	80 x 37	On Ground shunt 3.3pF	Stock	
	Patch	W3011		-12	0.85	0.5	3.4	3	85/-0.7	80/-1	3.2 x 1.6 x 1.1	4.00 x 4.25	80 x 37	w/o matching	Stock	
		W3099		-14	3.5	-	-	-	-	-	25 x 25 x 4	-	70 x 70	AR: 3, V01; A	Contact to sales for datasheet	
		W3213		-13	-1.5	-	-	-	-	-	13 x 13 x 4	-	30 x 30	AR: 3, V02; C	Stock	
GPS, Glonass, & Beidou	Helical	W3110		-16	-2.1	-2.4	1.3	0.7	47/-3.3	43/-3.7	5.0 x 2.5 x 5.5	7.50 x 5.50	100 x 40	Vertical SMD, @ Corner	Stock	
	Ceramic chip	W3000	1559-1591 1575.42 +/-10 and 1598-1610	-18	-0.2		2.4	1.5	70/-1.55	65/-1.9	7 x 1.6 x 1.6	6 x 10	80 x 37	3 Matching components, Horiz. Mount + @Corner	Stock	
				-12	1	0	3	2.2	75/-1.25	70/-1.5				@ Position1 shunt 3.3pF		
		W3														

App	Type	Pulse Part Number	Frequency range (MHz)	RL Min. (dB)	RF Performance		Efficiency (%) / (dB)		ME requirement			Note	Availability					
					Peak Gain (dBi)				Antenna DIM. (LxWxH,mm)	GC-area (L x W,mm)	Evaluation Board Size (L x W,mm)							
					Peak	Band edges	Peak	Band edges										
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		W3544A	824-960	-3.7	0.5	1.8	65	44	7.65 x 26 x 3	21x33.5 (W3544A)	110 x 50	1. Corner mount (vertical). 2.match-ing: *SE12nH	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										
Quad band (US)		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.match						

