



Pulse Internal Antennas for WiFi and 3G/4G(LTE)

Rev E (OCT 2015)

App.	Type	Pulse Part number	RF Performance						ME requirement			Note	Availability
			Operating Frequency (MHz)	RL Min. (dB)	Peak Gain (dBi)		Efficiency %/(dB)		Antenna DIM. (LxWxH,mm)	Cable Length from PCB edge/ Diameter, mm)	Connector Type		
					Peak	Band edges	Peak	Band edges					
WiFi, BT, Zigbee	PWB	W3525B039	2400-2483.5	-10	2	0.6	65	55	48 x 11 x 0.8	L:100 / D:1.13	I-PEX MHF 20278		Leadtime
		W3593B0100	4900-5850	-10	2	0.5	70	50	45 x 7 x 0.8	L:100 / D:1.13	I-PEX MHF 20278		Stock
		W3513 (W3513B0212)	2400-2500	-13	2	1.4	70/-1.5	68/-1.7	16 x 70 x 0.9	L:212 / D:1.13	I-PEX MHF 20278		Stock
		4900-5850	-10	2.7	0.4	67/-1.8	52/-2.7						
	FPC	W3315B0100	2400-2500	-10	2	W/ 2mm ABS: 1.98 (peak)	50	W/ 2mm ABS: 65 (peak)	45 x 6 x 0.1	L:100 / D:1.13	I-PEX MHF-A13 20428		Leadtime
	4900-5875	-10	5	W/ 2mm ABS: 4.98 (peak)	69	W/ 2mm ABS: 76 (peak)							
3G	PWB	W3502 (W3502B0020)	824-960	-6	2	0.8	78/-1.2	55/-2.5	43 x 17 x 0.5	L:20 / D:1.13	I-PEX MHF 20278	80mm ground plane with 5mm gap inside plastic box	Stock
			1710-1990	-4	2.4	-0.4	80/-0.95	70/-1.55					
		W3538B0200	824-960	-6	-	-	57	41	40 x 15 x 0.7	L:200 / D:1.13	I-PEX MHF 20278	On plastic PC plate with test ground	Stock
			1710-2170	-6	-	-	71	50					
	FPC	W3501 (W3501B0140)	824-960	-7	1.5	0.8	61	50	87 x 25 x 0.2	L:140 / D:1.13	I-PEX MHF 20278	Test unit size: 150x100x40	Stock
			1710-1990	-8	4.2	2.8	71	50					
4G (LTE)	FPC	W3554B0140	698-798	-5	1.5	-0.6	75	50	120 x 30 x 0.2	L:140 / D:1.13	I-PEX MHF 20278	Connected on a test board 120x120 with 10mm gap	Stock
			824-960	-7	1.8	0.4	80	50					
			1710-2690	-8	3.9	1.9	86	65					

Note:

1. I-PEX MHF connector is U.FL compatible
2. Cable length is starting at an edge of PCB.
3. See datasheets for available cable lengths or contact the factory
4. "Stock" Stocked parts are typically available from Pulse distribution partners immediately.