

Advanced WiFi 6E/7 Antenna Solutions

Pulse Electronics offers a comprehensive range of WiFi 6E/7 antenna solutions designed to meet the growing demands of high-speed wireless connectivity. With a variety of mounting options, these antennas deliver optimal performance across the **2400-2500 MHz and 5150-7125MHz** bands, ensuring reliable coverage and efficiency. Pulse's antennas are built for versatility and durability, making them ideal for next-generation WiFi applications in various environments.



Embedded Chip

Electrical Specifications 2400-2500/ 4900-7250MHz

Part Number	Size (mm) (L x W x H)	Copper Keep Out	RL	Peak Gain	Efficiency	Comments
ANT1608LL14R2460A	1.6 x 0.8 x 0.4	8.0 x 7.0mm	< -7	3.65 / 3.69dBi	71 / 67%	Edge Mount SMT
ANT3216LL11R2460A	3.2 x 1.6 x 1.2	7.5 x 8.0mm	< -7	2.0 / 2.5dBi	74 / 60%	Edge Mount SMT
W3006	10 x 3.2 x 1.5	14.5 x 6.25mm	< -5	2.2 / 5.2dBi	60 / 70%	Edge Mount SMT
W3078	3.2 x 1.6 x 1.1	11.15 x 6.4mm	< -8 / -9	0.1 / 3.5dBi	45 / 85%	Corner Mount SMT

Internal Flexible PCB

Electrical Specifications 2400-2500/ 4900-7250MHz

Part Number	Size (mm) (L x W)	Connector* / Cable Length	RL	Peak Gain	Efficiency	Comments
SWA425A	29 x 26.8	IPEX MHF 4L / 95mm	< -5	0.5 / 4dBi	60 / 50%	Flexible PiFa antenna designed for mounting on metal surface
W3918B0100	35.2 x 8.5	U.FL / 100mm	< -10 / -6	2.5 / 3.5dBi	65 / 65%	FPC, perpendicular cable attachment
W3917B0100	42.6 x 8.6	U.FL / 100mm	< -6 / -10	2 / 3dBi	40 / 50%	FPC, colinear cable attachment
W6109B0100	34.6 x 7.6	U.FL / 100mm	< -7 / -7	3.2 / 6.9dBi	50 / 87%	2x MiMo FPC
W6108B0100	72.8 x 7.6	U.FL / 100mm	< -7 / -7	3.7 / 7.4	52 / 85%	4x MiMo FPC

Terminal Mount

Electrical Specifications 2400-2500/ 4900-7250MHz

Part Number	Length	Termination	RL	Peak Gain	Efficiency	Comments
W5029	78mm	Right Angle RP SMA Male	< -10 / -4	1.8 / 0.4dBi	80 / 70%	IP65 Rated
W5029RASM	78mm	Right Angle SMA male	< -10 / -4	1.8 / 0.4dBi	80 / 70%	IP65 Rated
W5029RPG	78mm	Straight RP SMA Male	< -10 / -4	1.8 / 0.4dBi	80 / 70%	IP65 Rated
W5098	150mm	Swivel RP SMA Male	< -10 / -10	3.5 / 3.8dBi	75 / 71%	IP67 Rated

Direct/ Permanent Mount

Electrical Specifications 2400-2500/ 4900-7250MHz

Part Number	Size (mm) (Dia x H)	Termination	VSWR	Peak Gain	Efficiency	Comments
LPTNG24-71DMG0457	34.5 x 50.9	1.5' RG316 SMA Male	< 2 / 2.5	2.6 / 2.9dBi	80 / 64%	Ground Plane Independent, IP67, UL94-5VA rated
LPT2400/71DMN	34.5 x 50.9	Direct "N"	< 2 / 2.5	5.3 / 7.8dBi	82 / 75%	IP67, UL94-5VA rated
LPTNG2400/71DMN	34.5 x 50.9	Direct "N"	< 2 / 2.5	5.3 / 7.8dBi	82 / 75%	Ground Plane Independent, IP67, UL94-5VA rated
LPTNG2471M2DMG0457	34.5 x 50.9	2x 1.5' RG316 SMA Male	< 2 / 2.5	3.4 / 4.5dBi	69 / 66%	2X MIMO, IP67 Ground plane Independent

* Internal FPC Antennas come standard with Ø1.13 coaxial cable and MHF1 connectors, customization is available

For More Info Visit: www.yageogroup.com
For Sales Inquires please email: prodinfo_wireless_americas@yageo.com
prodinfo_wireless_asia@yageo.com, prodinfo_wireless_emea@yageo.com