

OMRON's Wireless, High-frequency Devices

OMRON launched the WXZ-N1SL SMD polymeric antenna for UWB communications on June 1, 2006, as the first of its Wi-PlaDs™*4 line of wireless, high-frequency devices. As previously announced, the S1, a UWB polymer antenna for transmitting high-definition video signals, is scheduled for launch in the spring of 2007. By maximizing the advantages of polymer antennas, which allow highly flexible designs and mass production, OMRON will market a wide variety of Wi-PlaDs™ devices, such as antennas that are adaptable to various equipment shapes.

Wi-PlaDs™ Antenna Specifications

	Latest Product	Previously Announced Products	
Model no.	WXA-N2SL	WXA-N1SL	WXA-S1FL
Release date	January 16, 2007	June 1, 2006	Spring 2007
Size (L x W x H)	13 x 10 x 1.2 mm	12 x 5 x 1.1 mm	Phy 23 x 39.5 mm
Frequency range	3.1 to 4.9 GHz	3.1 to 4.9 GHz	3.1 to 4.9 GHz
VSWR	2.5 max. (3.1 to 4.9GHz) 6.0 min. (7.0 to 10.6GHz)	2.5 max. (3.1 to 4.9GHz)	3.0 max. (3.1 to 4.9GHz)
Gain	0dBi max.	0dBi max.	0 dBi max.
Flatness for each bandwidth	None	None	3 dB max. (reference value)
Omni directivity	None	None	2 dB max. (reference value)
Potential applications	Digital TVs Set top boxes USB dongles and hubs Printers	USB dongles and hubs Digital cameras Printers	Digital TVs Set top boxes HD-DVD/ Blu-ray discs HDD recorders