

Teflon Linear Patch Antennas

Matrics Teflon Linear Patch Antennas (PN: ANT-IP-ARM and ANT-IP- PAD) are fully packaged, circular, polarized antennas that are approximately 5.75" square x 0.3" thick. They meet standard technical requirements necessary for most RFID projects, and are easy to

implement with the Matrics Ruggedized Reader (RDR-RG-010.) Matrics antennas can easily be mounted on clamp trucks or overhead in a portal application to create read zones around products and assets as they travel through a warehouse.

Characteristic	Description	
Name and Part Number	Clamp Arm Antenna (PN: ANT-IP-ARM)	Clamp Pad Antenna (PN: ANT-IP-PAD)
Description	Receive Patch Antenna specially designed to operate at approximately 6 inches away from a loading paper roll.	Transmit Patch Antenna specially designed to operate on a clamp truck's clamp pad with a loading paper roll
Operating Frequency	UHF band, 900-930 MHz, tuned for paper rolls only at 911.75 MHz center frequency	
Dimensions	5.75" square x 0.3" thick	
Weight	15 ounces max.	
Casing	Teflon	
Temperature	Operating: 0° to +50° C (+32° to +122° F) Storage: -20° to +70° C (-4° to +158° F)	
Power Handling	50W, CW	
Connectors	Right angle, female SMA	
Voltage Standing Wave Ratio (VSWR)	1.5 : 1 max.	
Impedance	50Ω	
3db Beam Width	60° min.	
Gain in dBi/linear	Linear polarized on the vertical plane with 6 dBi gain	



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