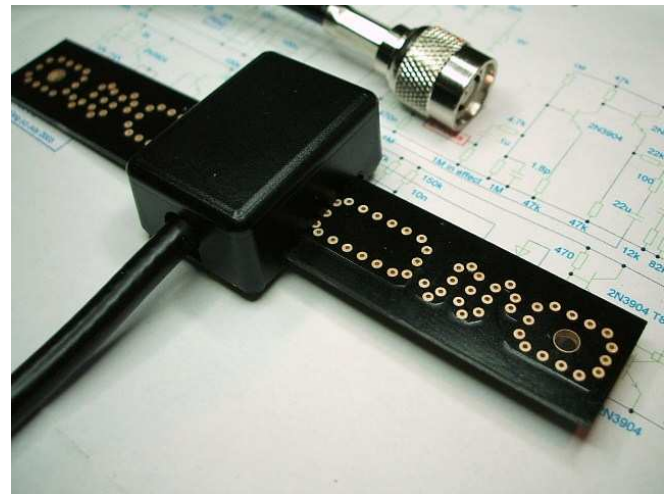


## ePix Ltd. 12cm Wideband Omni RFID Antenna Data sheet

### eP12 Omni antenna

#### Features Benefits.

- Compact size for small enclosures
- Ideal for programming tags
- 7 meters range
- BNC or Reverse TNC options
- Low cost especially in volume
- Omni directional operation
- Vertical polarised
- Complete with 4 meters of flexible cable.
- Optional cable lengths and types.
- Easy to mount.
- Rugged construction



#### Specification:

- Frequency range 850MHz to 950 MHz
- Typically 7 meters range at 2W ERP
- Almost theoretical maximum gain.
- Impedance approximately 50R
- All components ROHS compliant
- Height=120mm, width=18mm, depth=3mm, (Not including optional plastic housing!)
- 4 meters of Cable. Flexible RJ 58... LMR cable or other lengths on request.
- Custom Balun version available at extra cost.

#### Basic Functionality

- With the Alien 9900 reader and ALN-9654-FWRW-T tag the reader could see the tag at 7 Meters
- With the reader set to maximum attenuation 15dB the tag could be seen at 1.4 meters.
- Note, in accordance with EN 302-208 Omni antennas are permitted up to 500mW ERP. (set -2 dB on a 2W ERP reader)

#### Also available from ePix Ltd:

- The Power-Ranger. A pocket size indicator for simple quick antenna set-up and testing.
- The Power-Mapper Field Mapping tool for RFID installation testing and verification.
- 6dBi antennas, circular and Linear polarised.
- Readers, Tags, custom IO electronics.

RoHs compliant  
CE tested compliant

