

# ISM 900MHz Collinear Antenna

824 – 960 MHz

CDR2795-ISM900



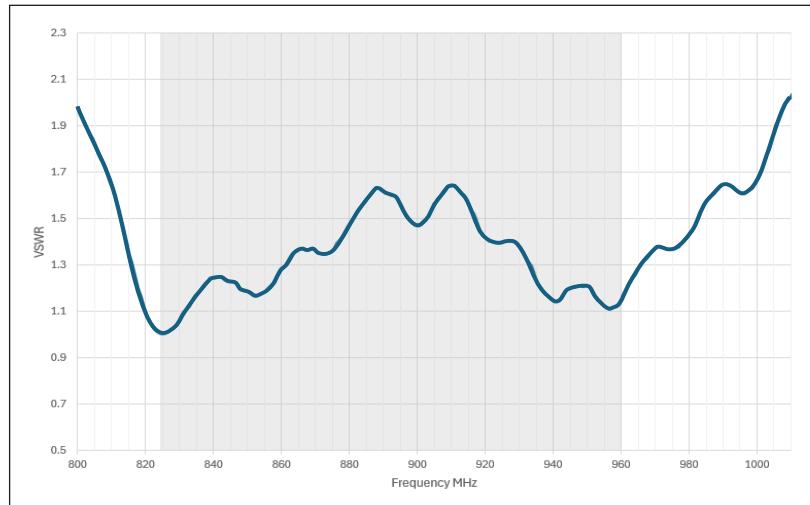
RFI's CDR2795-ISM900 antenna is a high-performance collinear style narrow band antenna for the 900MHz ISM band. It provides 6dBi of gain and is ideal for use in ISM based networks such as LoRaWAN, Zigbee, and Helium.

The antenna features an integrated N Male connector with an internal PCB radiating element ensuring consistent VSWR, pattern and tilt characteristics across the operating band.

## Key Features:

- Patented PCB based collinear design offering the ultimate in pattern and gain stability
- 6dBi gain providing excellent coverage
- Integrated N male connector allowing for easy mounting for stationary and spring mounted applications

## Typical VSWR:



## Electrical Specifications

| Model Number               | CDR2795-ISM900     |
|----------------------------|--------------------|
| Frequency MHz              | 824 – 960          |
| VSWR                       | <2.0:1             |
| Peak Gain dBi              | 6                  |
| Tuned Bandwidth            | Full               |
| Nominal Impedance $\Omega$ | 50                 |
| Power W                    | 10W                |
| Tuning                     | Supplied pre-tuned |

## Mechanical Specifications

| Model Number               | CDR2795-ISM900  |
|----------------------------|---|
| Connector                  | Integrated N Type Male connector  |
| Base Construction          | Brass / Black Chrome  |
| Whip Construction          | Black fiberglass radome   |
| Whip Length mm             | 841   |
| Operating Temperature      | -40 °C to 85 °C   |
| Suggested Mounting Options | N-88 Bulkhead N type female connector<br>CDR7100-SA-B-x Spring Assembly |