



High-Q Electronics, Inc.

CIRCULARLY POLARIZED ANTENNA

HQA-900A DATA SHEET

FEATURES

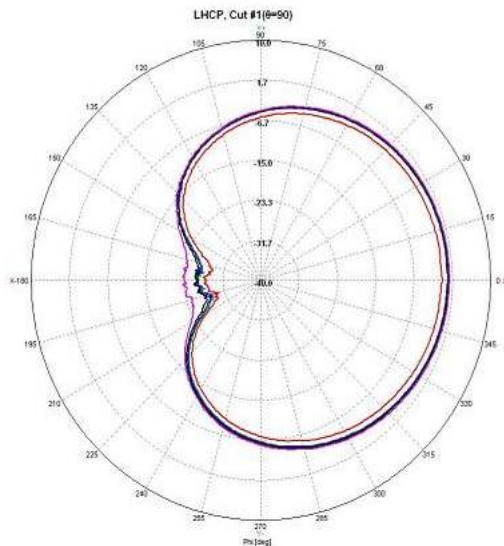
- FOR UHF RFID APPLICATIONS
- EXCELLENT AXIAL RATIO
- WIDE BANDWIDTH
- COMPACT SIZE AND LIGHT WEIGHT

SPECIFICATIONS

MODEL	HQA-900A
Frequency Range	902 - 928MHz
Gain (Circular Polarization)	1dBic Typical, 2.5dBic Max
Gain (Linear, Each Polarization)	-2dBi Typical, 0dBi Max
VSWR	1.5:1 Max
Power Handling	2W Max
Dimension (Without Radome)	45mm x 45mm x 26mm Nominal
Dimension (With Radome)	52mm x 55mm x 31mm Nominal



ANTENNA IN THE RADOME



RADIATION PATTERN

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7. Antenna

7.1. MDBT50-P

Freq(MHz)	Peak. dBi	Efficiency	Average . dBi
2400.00	-3.55	15.01%	-8.24
2410.00	-3.51	15.35%	-8.14
2420.00	-3.43	15.65%	-8.05
2430.00	-3.24	16.26%	-7.89
2440.00	-3.34	15.89%	-7.99
2450.00	-3.72	14.62%	-8.35
2460.00	-4.19	13.32%	-8.76
2470.00	-4.31	13.08%	-8.83
2480.00	-4.46	12.79%	-8.93
2490.00	-4.83	11.71%	-9.32
2500.00	-5.62	9.66%	-10.15

