

Product datasheet

# 1.7 - 2.6 GHz, Dual Polarised Near-Field Probe

**Product code:** RFT-PRB-DP-430  
**Version:** 02.2008

**RFTechnics Limited**  
 Whitehall House  
 2 Queens Road  
 Sheffield S2 4DG UK

T: +44 (0)114 270 08 87  
 F: +44 (0)797 725 42 81  
 E: sales@rftechnics.com  
**RFTECHNICS.COM**

**Application:** Dual polarised probe for near-field antenna measurements

- Covers the band 1.7 to 2.6 GHz
- Simultaneous access to 2 orthogonal polarisation (V/H)
- Matched E and H radiation patterns
- Uses hybrids to feed the coaxial probes for enhanced isolation between ports
- Precision machined from Aluminium

## Technical specification

### Electrical

Frequency Band	1.7 -2.6 GHz
Polarisation	Simultaneous Horizontal & Vertical
VSWR	2.0:1.0 Max.
Isolation between ports	30 dB Typical
Cross Polarisation	25 dB Max.
Power Handling	10 W CW
Amplitude tracking between ports	+/- 0.2 dB max

### RF Interface

Coaxial Connectors	N-type Female
--------------------	---------------

### Mechanical

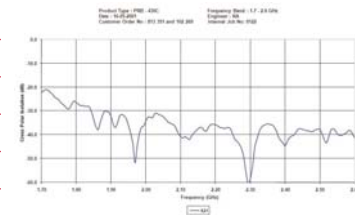
Size (W x H x D )	280 mm x 280 mm x 600 mm
Weight:	3.0 Kg nominal
Operating Temperature:	-40° C to +70° C
Mechanical Interface	Square flange wit 4x8mm diameter holes on 152 mm Square pitch

### Materials

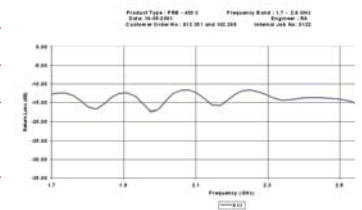
Material:	Aluminium (Allochrom)
Paint Finish	White



Choked probe view, showing the hybrid feed network



Measured isolation between orthogonal ports.



Measured Return loss

Prices and specifications are subject to change without notice.

Copyright © RFTechnics Ltd, All rights reserved.