

Product datasheet

2.5 - 4.2 GHz, Dual Polarised Near-Field Probe

Product code: RFT-PRB-DP-284
Version: 02.2008

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Application: Dual polarised probe for near-field antenna measurements

- Covers the band 2.5 to 4.2 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 performance
- Precision machined from Aluminium

Technical specification

Electrical

Frequency Band	2.5 - 4.2 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
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Mechanical

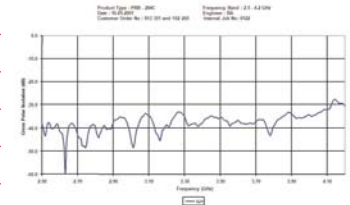
Size (W x H x D)	160 mm x 160 mm x 400 mm
Weight:	2.5 Kg nominal
Operating Temperature:	-40° C to +70° C
Mechanical Interface	Square flange with 4x Holes 8mm dia.on a 152mm square pitch

Materials

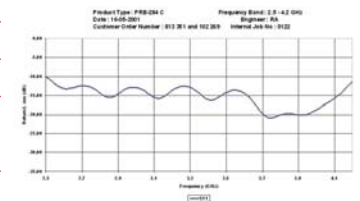
Material:	Aluminium (Allochrom)
Paint Finish	White



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.

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