



Helmholtz Coil

TYXH 06400

Features

- > Wide test volume
- > Excellent magnetic field homogeneity
- > Conforms to magnetic field susceptibility test at frequencies ≤ 30 kHz as specified in various standards

Introduction

The TYXH 06400 Helmholtz Coil generates DC/AC magnetic fields covering frequencies from DC up to 30 kHz when used with a suitable signal source and compensation network.

It features large test volume and excellent magnetic field homogeneity and is widely used in EMC magnetic field immunity tests.

**Technical
Parameters**

Coil Turns	120 (60*2)
Max. Coil Current	30 A, 5 min
Rated Current	20 A, cont.
Max. Magnetic Field Strength	4,260 A/m @30 A, 5 min
Rated Magnetic Field Strength	2,856 A/m @20 A, cont.
Coil Factor	43.1 dB A/m
Coil Diameter	600 mm
Frequency Range	DC ~ 30 kHz
Total Coil Inductance	≤ 10 mH
DC Resistance	≤ 1 Ω
Interface Type	4 mm banana socket

**General
Parameters**

Weight	Approx. 45 kg
Ambient Temperature	0°C ~ 65°C

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