

120mm Radiated Loop

FESP 5132



As per

- > EN 55103
- > ISO 11452-8
- > MIL-STD-461E

Description

Magnetic coil with a handle FESP 5132 can produce standard magnetic field strength at 150 kHz voice frequency. It is mainly used for magnetic field immunity test as per EN 55103, MIL-STD-461 E and ISO 11452-8. The output magnetic field can be up to 1500A/m for short duration. The magnetic field is proportional to coil current. The distance of coil and EUT surface can be 50mm.

Features

- > Low frequency magnetic field immunity test as per ISO 11452-8, frequency range: 15Hz – 150kHz
- > Magnetic field up to 1500A/m for short duration

Industries

- | | |
|-----------------|--------------|
| > Communication | > Technology |
| > Telecom | > Military |
| > Medical | > Avionics |
| > Broadcast | > New energy |
| > Railway | |

Technical parameters	
Diameter	120 mm
Turns	20
Wire diameter	2 mm copper (AWG 12)
Max. Coil current	20A, 5 min
Nominal coil current	10A continuous
Max. Magnetic field strength	1500 A/m, 5 min
Nominal magnetic field strength	750 A/m continuous
Magnetic field strength, 1A coil current (distance to loop: 50mm)	75.56 A/m (95 μ T)
Current for 1 A/m: (distance to loop: 50mm)	13.23 mA
Center of empty coil to measurement plane	50 mm
Mechanical dimension	0.16 m x 0.25 (0.3) m
Connection terminal	4 mm banana plug
Frequency range	15 - 150 kHz
Inductance	80 μ H
Resistance	0.3 Ω
Weight	1.2 kg

Accessories	
Connection cable	2
Calibration report	1
User manual	1



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