

Electromagnetic Clamp

EM CL100

Datasheet



In Compliance with

> IEC 61000-4-6

Introduction

EM CL100 is designed for the conducted immunity tests of cables for radio-frequency magnetic field disturbances as per IEC 61000-4-6. The calibration accessories are provided together with the electromagnetic clamp.

Features

- > High capacity: injection power up to 100 W (5 min); injection frequency 0.1 MHz – 1,000 Mhz
- > Coupling / decoupling direction coefficient >10 dB (>0.1 MHz)
- > Testable cable size: diameter < 18 mm

Application Areas

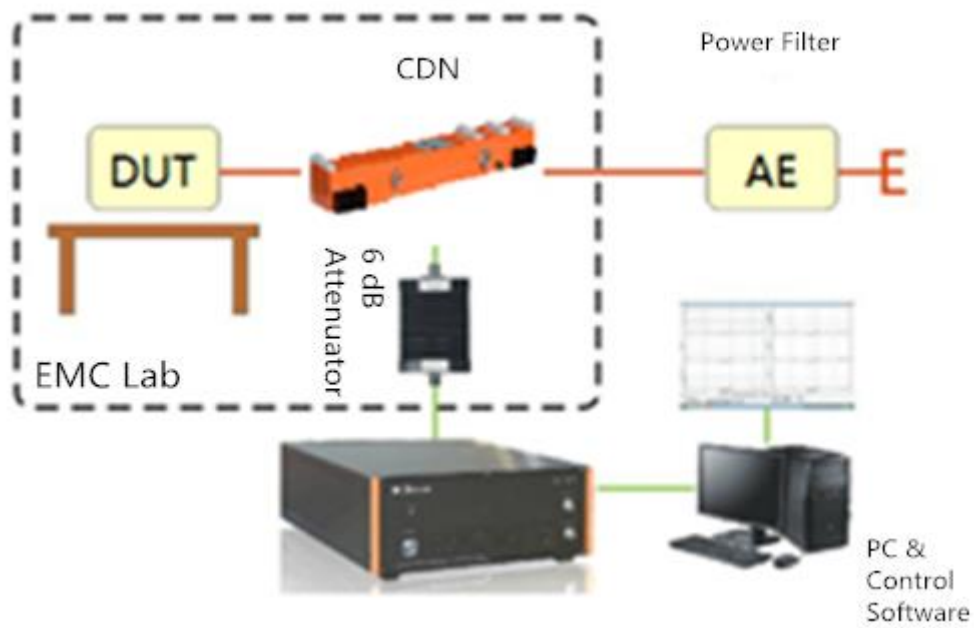
- > Telecom
- > Medical
- > Broadcasting
- > Railway & rail transit
- > IT
- > Military
- > Avionics
- > New energy

Technical Parameters

Frequency Range	0.1 MHz – 1,000 MHz
Nominal Impedance	50 Ω
Connector Type	N (f)
Max Input Electric Level	0.15 Hz – 100 MHz, 100 W, 15 min; 100 MHz – 230 MHz, 100 W, 5 min; 230 MHz – 1,000 MHz, 50 W, 3 min
Max Cable Size	18 mm
Dimension	664 x 130 x 128 mm
Weight	7 kg

Standard Accessories	
Adaptor Connector	1 pc
Co-Axial Terminal Load – BNC 50 Ω	1 pc
Calibration Device – 150/50 Ω	1 pc
Calibration Copper Rod	1 pc
User Manual	1 pc

Equipment Connection Diagram





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