



Electromagnetic Coupling Clamp

EMCL 5000

MIL-STD-188-125-1

- MIL-STD-188-125-2
- GJB 8848

Introduction

The EMCL 5000 Electromagnetic Coupling Clamp is a high-current coupling device. It delivers time-harmonic signal currents or pulse signal currents to the EUT via magnetic coupling, featuring distortion-free waveform and physical isolation from the EUT.

Designed to meet the requirements for high-current injection tests specified in standards including MIL-STD-188-125-1/-2 “High-Altitude Electromagnetic Pulse (HEMP) Protection for Ground-Based C4I Facilities Performing Critical, Time-Urgent Missions” and GJB 8848 Test Methods for System Electromagnetic Environmental Effects, it is widely used for EMC conducted susceptibility (immunity) tests.

Technical Parameters

Max. Peak Current	5 kA
Frequency	500 kHz ~ 30 MHz (+0/-10dB)
Primary Inductance	≥5 μH
Max. EUT Cable Diameter	60 mm
Interface Type	7/16 RF connector
Dimension	191 mm (W)*211 mm (H)*844 mm (D)
Operating Temperature	0°C ~ 65°C
Weight	40 kg

S21 Curve



SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

E-mail: globalsales@3ctest.cn

Service: service@3ctest.cn

Tel: +86 - 512 - 68077192

Web: www.3ctest.com



3CTEST is always striving for product innovation and quality improvement. Product appearance and technical specifications are subject to change without further notice.