

Absorbing Clamp

EM5018

(30MHz~1000MHz)

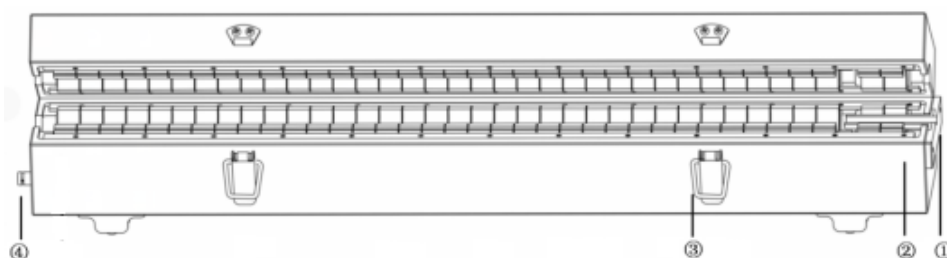


Shenzhen Zhiyong Electronics Co., Ltd

1. Summary

EM5018 Absorbing Clamp is mainly used for measuring the power interference signal from the power cable of EUT, frequency ranging from 30MHz to 1000MHz. EM5018 is in accordance with CISPR 16-1-3 regulation, with operating current over 25A, pore diameter around 20mm, can be widely used in the measurement of testing the interference signal of the standard power supply cable like CISPR 13/EN 55013, CISPR 14-1/EN 55014-1.

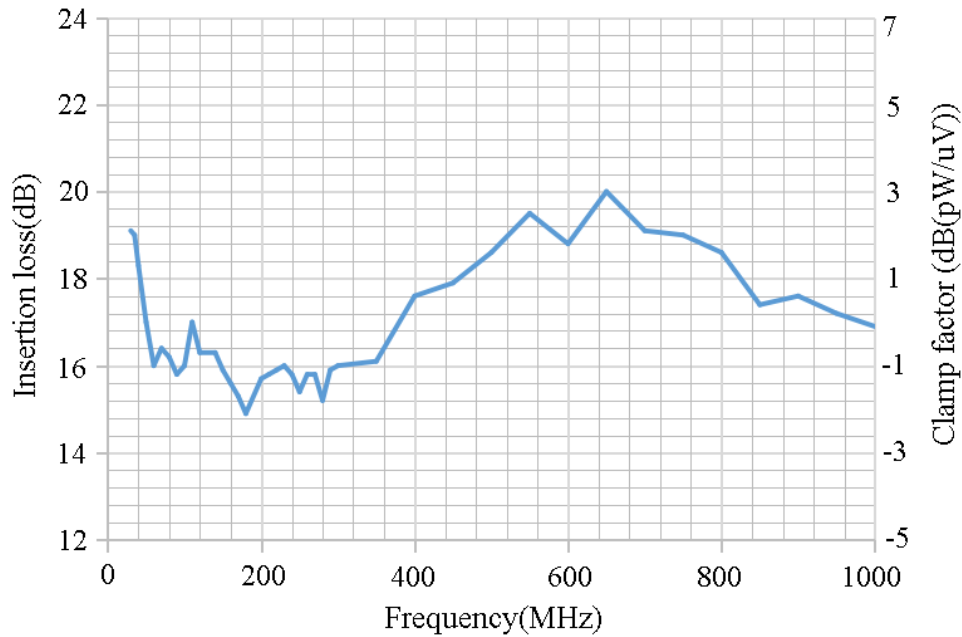
2. Product and Accessories



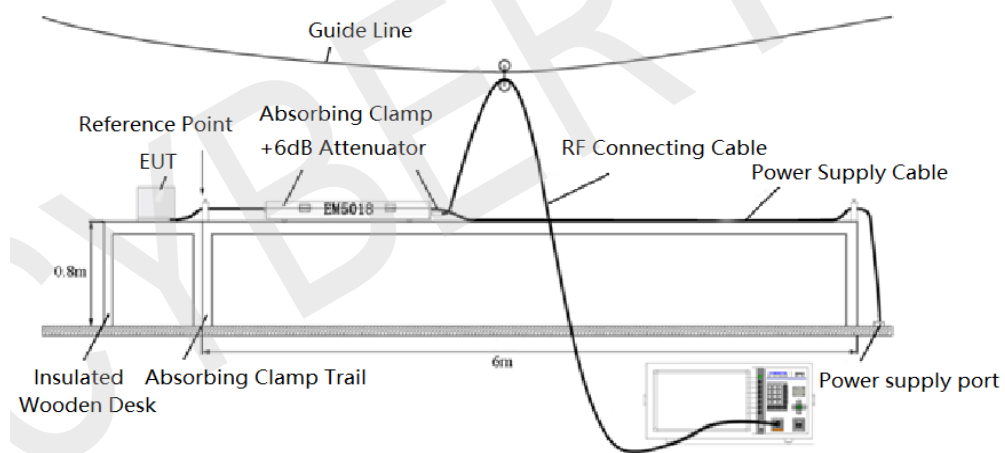
- ① Gasket Clamp: can increase the measurement accuracy when the diameter of cable under test is less than 6mm. If the diameter is over 6mm, remove the gasket clamp.
- ② EUT port: used to connect the cable of EUT.
- ③ Spring catch: locked during measurement
- ④ RF output port: interference signal output port, connecting with measuring devices like receiver.

3. Electronics Specification

Frequency range	30 MHz~1000MHz	
Input loss	13 dB to 22 dB	
Clamp factor	-4 dB to +5 dB refer to the diagram below	
Maximum allowable disturbance power	<10 W	
Maximum allowable cable diameter		20 mm
	Clamp with gasket	6mm
Maximum allowable DC or AC peak working current	25 A	
RF Output port	BNC, 50 Ω	
Operating temperature	+4 °C to +40 °C	
Dimension (W×H×D) mm	around 648*105*85mm	
Weight	around 6.5kg	



4. Typical application configuration diagram of power disturbance measurement



- ✧ When the diameter of the cable under test is over 6mm, remove the gasket clamp of the absorbing clamp, which can increase precision when the cable is thin
- ✧ Important tips during measurement:
 - ☞ Please lock the absorbing clamp.
 - ☞ The side with EUT mark should be close to the EUT, absorbing clamp cannot be installed reversely.
 - ☞ Find maximum value of all frequency point by moving absorbing clamp on the trail.
- ✧ Interference signal measured P (dB(pW)) = Voltage measured V (dB(uV)) + Clamp factor (dB(pW/uV))

5. Packing List

Packing List	
EM5018	1
6dB attenuator (CK-AT6)	1
BNC Cable 5m	1
Instruction Manual	1
Warranty Card	1
Test Report	1

CYBERTEK

SHENZHEN ZHIYONG ELECTRONICS CO.,LTD.

Addr: Room A1702, Building 4, TianAn Cyber Park, HuangGe North Road, LongGang
District, ShenZhen City, China

Tel: +86-400 852 0005
+86-755-86628000

Q Q: 400 852 0005

Fax: +86-755-86620008

Email: cybertek@cybertek.cn

Url: <http://www.cybertek.cn>

© Zhiyong Electronics, 2021

Published in China, Mar.1, 2021

CYBERTEK