

Common Mode Absorbing Device (CMAD)

CMAD 10, CMAD 20

- CISPR 22 conformity
- Frequency Range 30 MHz - 1 GHz
- >15 dB in a 50Ω System



CMAD 10



CMAD 20

The CMAD 10 and CMAD 20 are common mode absorbing devices (CMAD) for radiated emission tests according to IEC CISPR 22, Amendment. 1: 2000-08. CMADs are used during testing as cable termination on all cables leaving the test setup (e.g. mains cables, telephone lines, connections to auxiliary equipment located outside the test area). The clamp is placed on the floor at the point where the cables reach the floor.

The CMAD 10 is designed to accept cable sizes of up to 10mm, the CMAD 20 will accept cable sizes of up to 20mm.

The insertion loss of the CMAD 10 / CMAD 20 is more than 15dB for the frequency range 30 MHz to 1000 MHz if measured in a 50Ω system.

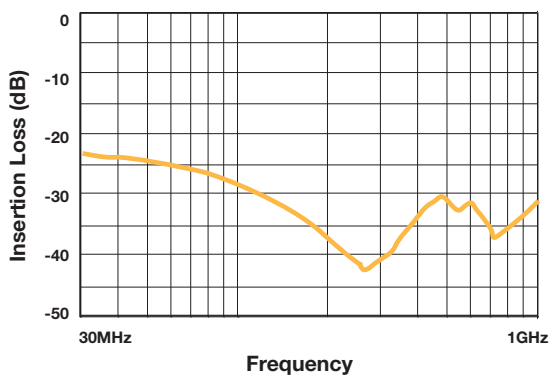
The clamp mechanism of the CMAD 10 / CMAD 20 makes possible a simple insertion into the test setup.

See below for typical graphs of the insertion loss.

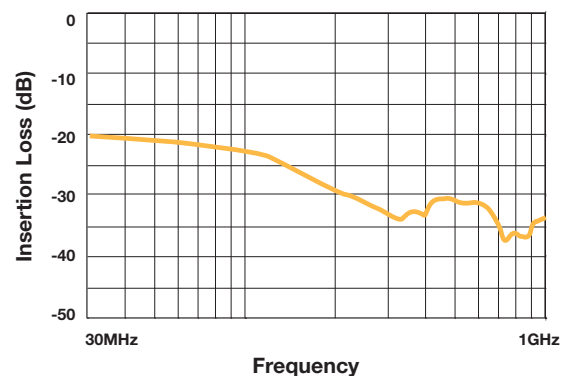
Other applications:

- Prevention of unwanted RF-currents at cables during emission measurements
- Cable termination for radiated immunity tests

Typical Insertion Loss CMAD 10



Typical Insertion Loss CMAD 20



Technical Specifications	CMAD 10	CMAD 20
Insertion loss	> 15 dB	> 15 dB
Frequency range	30 MHz to 1000 MHz	30 MHz to 1000 MHz
Max. current	25 A	25 A
Inner diameter (mm)	10	20
Dimensions (mm)	290 x 60 x 50	440 x 70 x 70
Weight (kg)	1,7	3,0