

F-121221-1004-1 Coupling Decoupling Network



The F-121221-1004-1 Coupling Decoupling network meets the requirements of CISPR 15 and CISPR 22 for emissions testing in the frequency range of 150kHz – 80MHz. This CDN is equipped with a double screened cable and two high performance CAT6A RJ45 connectors.

This high performance CDN is rated for 10GB transmission per ISO TR24750 permanent link with a 2.8dB Insertion Loss at 500MHz.

TECHNICAL DATA

This device meets performance requirements for IEC 61000-4-6 as well as CISPR 22

Coupling Decoupling Network
Frequency: 150kHz – 80MHz

Four Balanced Pair Module, 100Ω
Rated for 10GB Transmission per ISO TR24750 PL
< 3dB Insertion Loss at 500MHz

Power Rating EUT/AE Port

AC Maximum Voltage: 100V
DC Maximum Voltage: 100V
Maximum Current: 1 ampere

Common Mode Impedance

150 kHz – 30 MHz: 150Ω ±20Ω
30 – 80 MHz: 150Ω +60/-45Ω

Common Mode Phase Performance

150 kHz – 30 MHz: +/-20 degrees

Voltage Division Factor

150 kHz – 30 MHz: 9.5 ± 1dB
30 – 80 MHz: 9.5 + 3dB

Common Mode Isolation

150 kHz – 30 MHz: >60 dB
30 MHz – 80 MHz: >40 dB

General Data

Size (W x H x D): 153 x 128 x 233 mm
Weight: 1.0 kg
Operating Temperature: +17°C to 29°C
Relative humidity: up to 80%

F-121221-1004-1



Fischer Custom Communications, Inc.

20603 Earl St., Torrance, CA 90503 • Phone: (310) 303-3300 • Fax (310) 371-6268
E-mail: Sales@Fischercc.com • www.fischercc.com