

# Communication Port Common-mode Conducted Emission and Immunity Coupling / Decoupling Network

## CN T2/T4/T8 【Introduction】

It is suitable for common-mode conducted disturbance immunity tests of communication ports or other ports connected to balanced lines within the frequency range of 0 to 150 kHz, meeting the requirements for coupling networks specified in standards IEC 61000-4-16 and GB/T 17626.16.

### Compliance Standards

IEC 61000-4-16 GB/T 17626.16

### Technical Features

- ◆ By matching with an external coupling backpack, it can satisfy the common-mode conducted disturbance immunity test for 2/4/8-wire cables.
- ◆ · The coupling backpack is designed with a capacitor short-circuit interface, enabling quick switching between AC/DC coupling via a shorting bar.
- ◆ · Interference injection is achieved through banana plug terminals, with a maximum coupled common-mode conducted voltage of 100V.

### Parameter List

| Specification            | CN T2                | CN T4   | CN T8   |
|--------------------------|----------------------|---------|---------|
| Coupling Frequency       | 0 ~ 150 kHz          |         |         |
| Coupling Voltage         | max 100 V            |         |         |
| Common-mode Impedance    | 200Ω*2               | 400Ω*4  | 800Ω*8  |
| Coupling Capacitance     | 4.7 uF               |         |         |
| Decoupling Inductance    | 2*38 mH              | 4*38 mH | 8*38 mH |
| Coupling Method          | 2/4/8-wire to ground |         |         |
| EUT Power Supply Voltage | max 150 V            |         |         |