

ABCO EMC COMPONENTS

AEC-Q200

Common Mode Filter ECTW43P2-A Series



5448-4, Sangdaewon-dong, Jungwon-gu,
Seongnam-si, Gyeonggi-do, KOREA

Sales Dept. TEL:82-31-730-5083

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▣ Features

1. High common mode impedance at high frequency cause excellent noise suppression performance.
2. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
3. High reliability -Reliability tests comply with AEC-Q200
4. Operating temperature -40~+125°C (Including self - temperature rise)

▣ Ordering Code

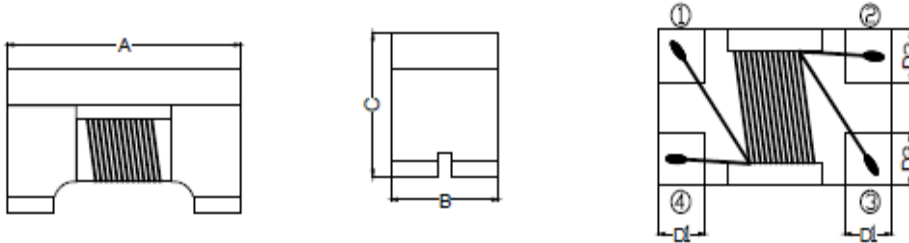
| | | | | | |
|-------------|-----------|-----------|----------|------------|----------|
| ECTW | 43 | P2 | - | 900 | A |
| ① | ② | ③ | | ④ | ⑤ |

| | | |
|---------------|----------------------|-------------------|
| ① Series name | ② Dimensions(mm) | ③ Number of Lines |
| ECTW | 43 : 4.5(L) × 3.2(W) | P2 2Lines |

| | |
|----------------------------|-----------------|
| ④ Common mode Impedance(Ω) | ⑤ Internal Code |
| 900 90 | A |
| 121 120 | |

▣ Shapes and Dimensions

Unit: mm



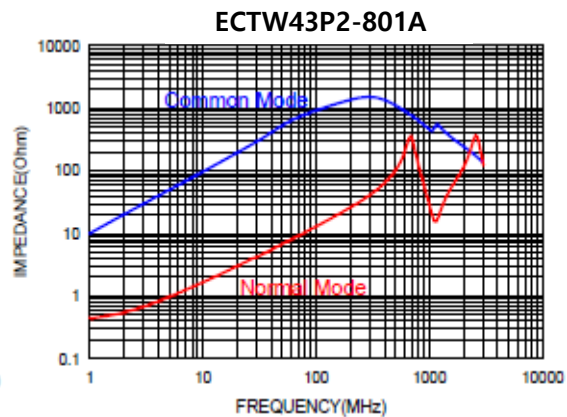
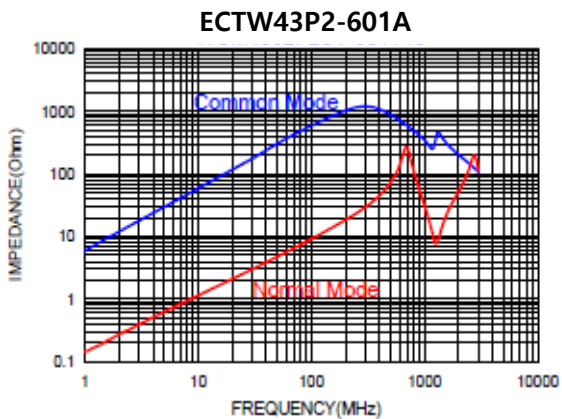
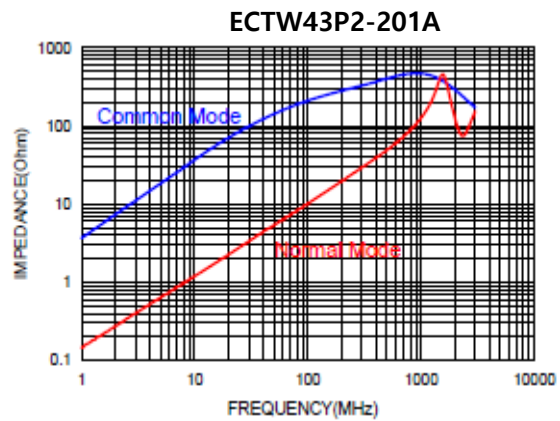
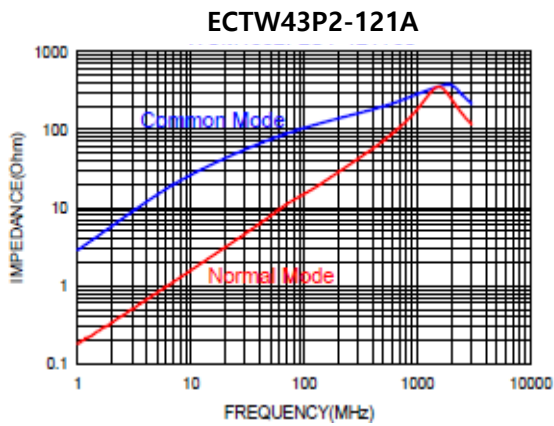
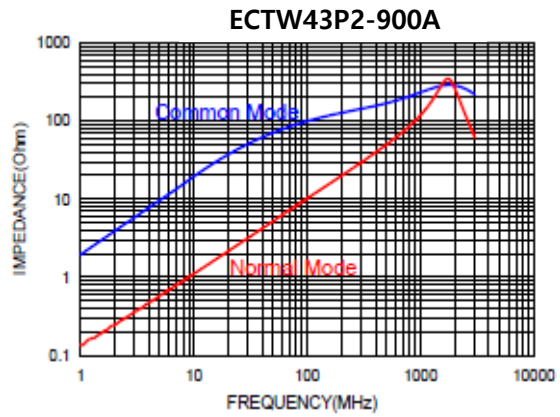
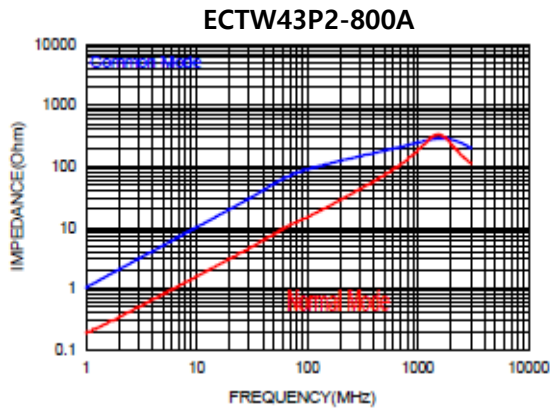
| Series | A | B | C | D1 | D2 |
|------------|---------|---------|---------|---------|---------|
| ECTW43P2-A | 4.5±0.2 | 3.2±0.2 | 2.8±0.2 | 1.0±0.1 | 1.2±0.1 |

▣ Electrical Characteristics

| Part Number | Common mode Impedance(Ω) | DC Resistance (Ω) max. | Rated Current (mA) max. | Rated Volt. (Vdc) max. | Withstand Volt. (Vdc) | IR (MΩ) min. |
|---------------|--------------------------|------------------------|-------------------------|------------------------|-----------------------|--------------|
| ECTW43P2-800A | 80±25% | 0.05 | 3000 | 50 | 125 | 10 |
| ECTW43P2-900A | 90±25% | 0.05 | 3000 | 50 | 125 | 10 |
| ECTW43P2-121A | 120±25% | 0.05 | 3000 | 50 | 125 | 10 |
| ECTW43P2-201A | 200±25% | 0.10 | 1500 | 50 | 125 | 10 |
| ECTW43P2-601A | 600±25% | 0.24 | 1500 | 50 | 125 | 10 |
| ECTW43P2-801A | 800±25% | 0.24 | 1000 | 50 | 125 | 10 |

* Test Frequency : Impedance 100MHz/60mV

■ Typical Impedance v.s. Frequency Curve



■ Schematic Diagram

