

ABCO EMC COMPONENTS

Common Mode Filter

ECTW31P2-N Series



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ABCO ELECTRONICS CO., LTD.

ECTW31P2-N Series



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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. Operating temperature -40~+125°C (Including self - temperature rise)

■ Ordering Code

ECTW 31 P2 - 900 N

① ② ③ ④ ⑤

| | | | | | |
|---------------|--|----------------------|--|-------------------|--------|
| ① Series name | | ② Dimensions(mm) | | ③ Number of Lines | |
| ECTW | | 31 : 3.2(L) × 1.6(W) | | P2 | 2Lines |

| | | | |
|----------------------------|------|-----------------|--|
| ④ Common mode Impedance(Ω) | | ⑤ Internal Code | |
| 900 | 90 | N | |
| 121 | 120 | | |
| 102 | 1000 | | |

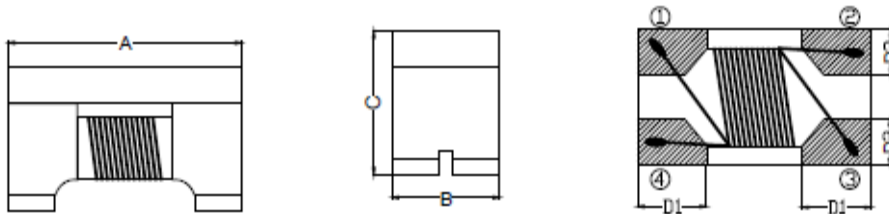
ECTW31P2-N Series



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▣ Shapes and Dimensions

Unit: mm



| Series | A | B | C | D1 | D2 |
|------------|---------|---------|---------|----------|---------|
| ECTW31P2-N | 3.2±0.2 | 1.6±0.2 | 2.0±0.2 | 0.50±0.1 | 0.5±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. |
|---------------|--------------------------|------------------------|-------------------------|------------------------|-----------------------|--------------|
| ECTW31P2-900N | 90±25% | 0.30 | 400 | 50 | 125 | 10 |
| ECTW31P2-121N | 120±25% | 0.30 | 350 | 50 | 125 | 10 |
| ECTW31P2-161N | 160±25% | 0.40 | 350 | 50 | 125 | 10 |
| ECTW31P2-221N | 220±25% | 0.45 | 300 | 50 | 125 | 10 |
| ECTW31P2-261N | 260±25% | 0.50 | 300 | 50 | 125 | 10 |
| ECTW31P2-361N | 360±25% | 0.60 | 300 | 50 | 125 | 10 |
| ECTW31P2-601N | 600±25% | 0.80 | 300 | 50 | 125 | 10 |
| ECTW31P2-102N | 1000±25% | 1.00 | 200 | 50 | 125 | 10 |
| ECTW31P2-222N | 2200±25% | 1.20 | 200 | 50 | 125 | 10 |

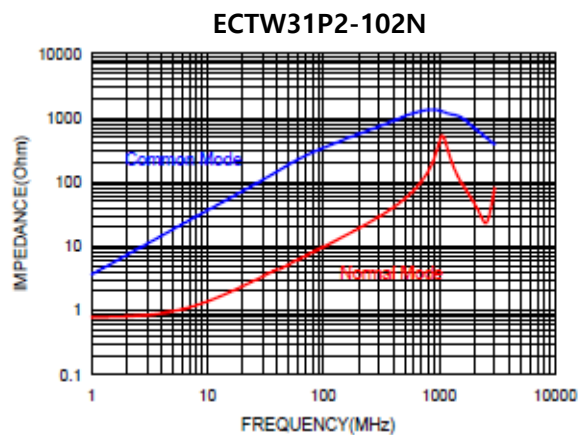
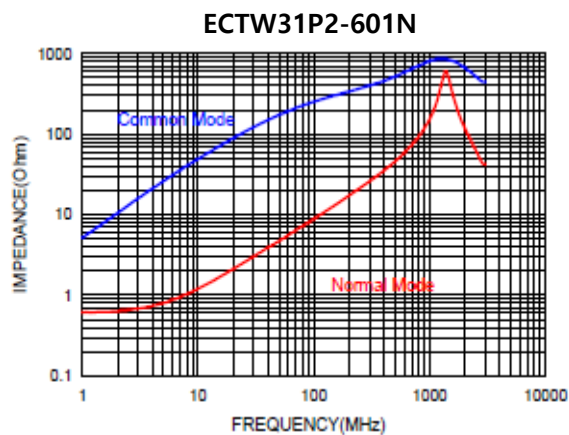
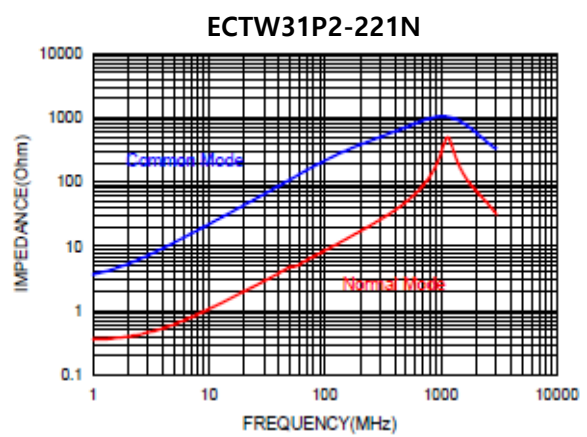
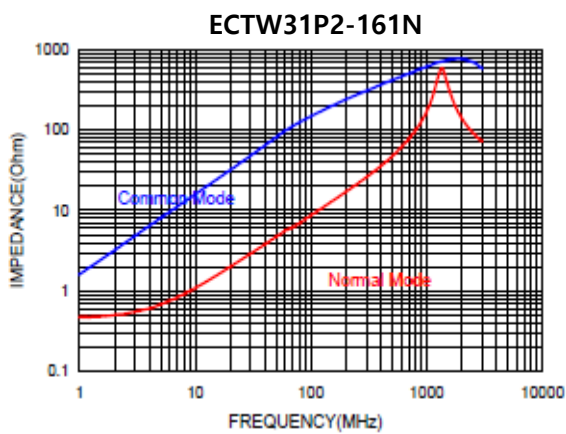
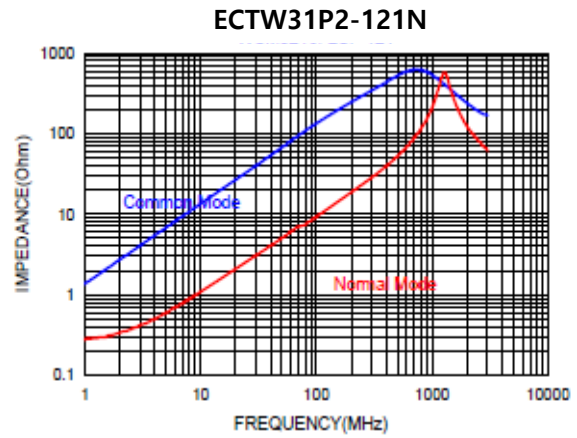
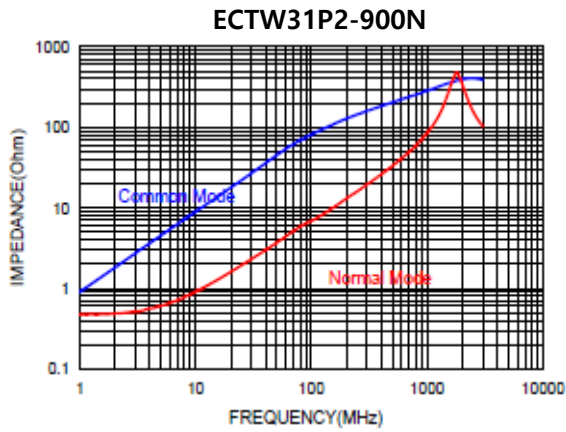
* Test Frequency : Impedance 100MHz

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Typical Impedance v.s. Frequency Curve

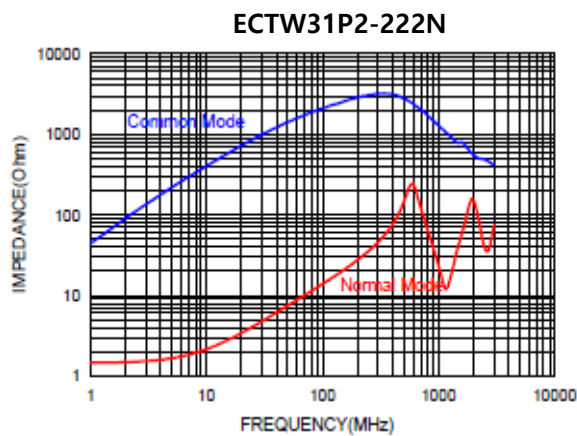
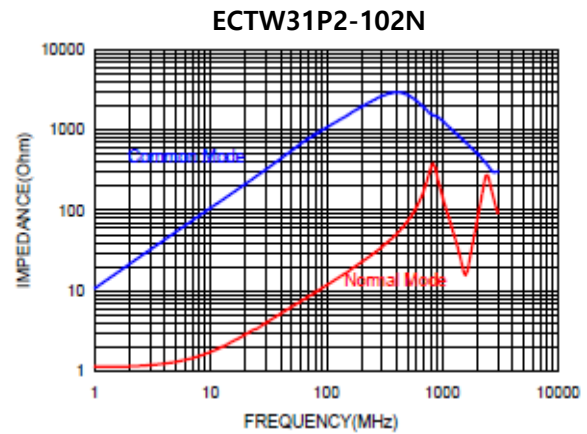
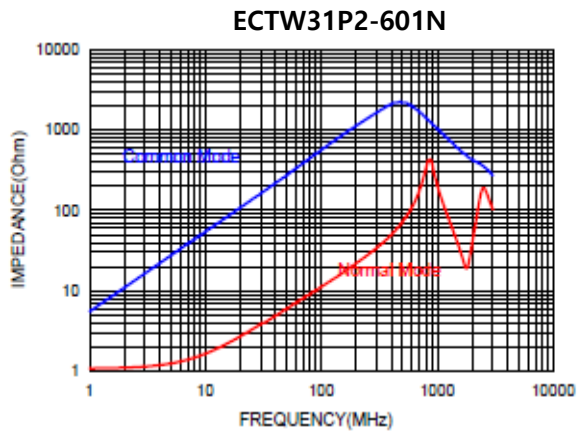


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■ Typical Impedance v.s. Frequency Curve



■ Schematic Diagram

