

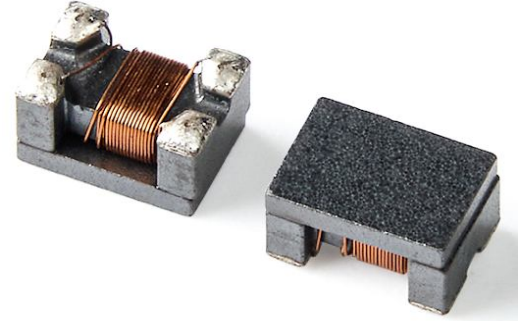
SPECIFICATION OF WCM-□□□□AUTO SERIES

AEC-Q200



FEATURES

- Wire-wound common mode choke coil
- Common mode filters for automotive Ethernet 1000BASE-T1 (WCM-3225AUTO-800YT)
- Common mode EMC Solution
- Compatible with RoHS Directive and AEC-Q200
- Compatible with Automotive required operating temperature -40 to +125°C



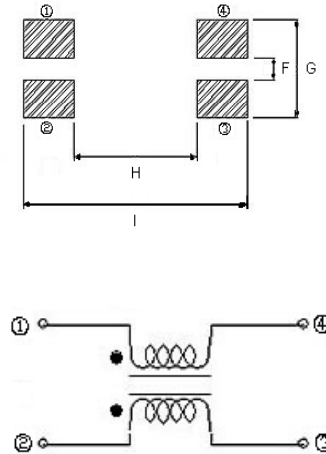
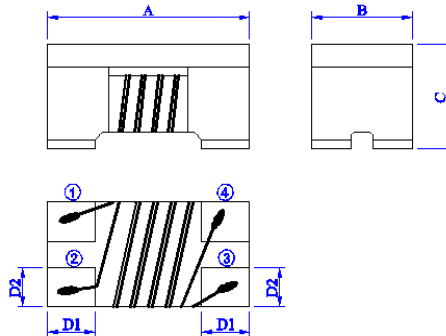
APPLICATIONS

- Preventive measure against high speed transmission signal radiation emissions for FlexRay, CAN/CAN-FD, Ethernet system

ORDERING CODE

WCM-4532AUTO-101 Y T
 (1) (2) (3) (4) (5)

- (1) PRODUCT TYPE CODE
- (2) PRODUCT SIZE & DESIGN CODE
- (3) INDUCTANCE CODE
- (4) TOLERANCE
- (5) TAPING CODE



APPEARANCE & DIMENSIONS

UNIT:mm (inch)

| SIZE CODE | A | B | C | D1 TYP | D2 TYP | F TYP | G TYP | H TYP | I TYP | | |
|------------------------|----------------------------|----------------------------|----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|--|
| WCM-3225AUTO (1210) | 3.30±0.20 (0.13±0.008) | 2.60±0.20 (0.102±0.008) | 2.40±0.20 (0.094±0.008) | 0.50 (0.019) | 0.90 (0.035) | 0.60 (0.024) | 3.50 (0.138) | 1.60 (0.063) | 4.00 (0.157) | | |
| WCM-4532AUTO (1812) | 4.50±0.20 (0.177±0.008) | 3.20±0.20 (0.126±0.008) | 2.80+0.35(-0.2) (0.110±0.008) | 1.00 (0.039) | 1.20 (0.039) | 0.40 (0.016) | 3.60 (0.141) | 2.10 (0.082) | 4.90 (0.192) | | |
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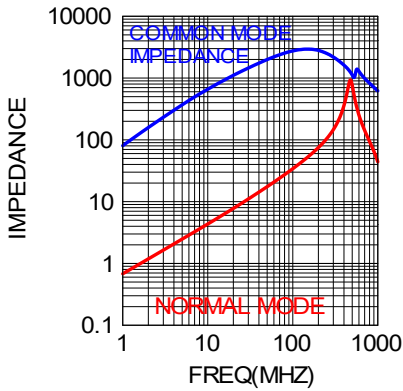
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COMMON MODE CHOKE → WCM-3225AUTO SERIES

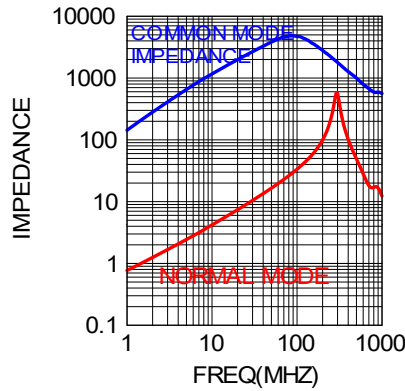
ELECTRICAL CHARACTERISTICS

| ORDERING CODE | INDUCTANCE | IMPEDANCE | DC Resistance | IDC | Rated Voltage | Insulation Resistance |
|--------------------|--------------|-----------------|---------------|-----|---------------|-----------------------|
| | (μ H) | (Ω)min | (Ω) | | | |
| | 100KHz/100mV | 10MHz/100mV | max | | V | (m Ω) |
| | | | | max | (DC) | min |
| WCM-3225AUTO-110YT | 11+50(-30)% | 300 | 0.4 | 300 | 80 | 10 |
| WCM-3225AUTO-220YT | 22+50(-30)% | 500 | 0.5 | 250 | 80 | 10 |
| WCM-3225AUTO-510YT | 51+50(-30)% | 1000 | 0.7 | 200 | 80 | 10 |
| WCM-3225AUTO-800YT | 80+50(-30)% | 1800 | 1.5 | 200 | 80 | 10 |
| WCM-3225AUTO-101YT | 100+50(-30)% | 2200 | 1.9 | 150 | 80 | 10 |
| WCM-3225AUTO-201YT | 200+50(-30)% | 4000 | 4.0 | 100 | 80 | 10 |

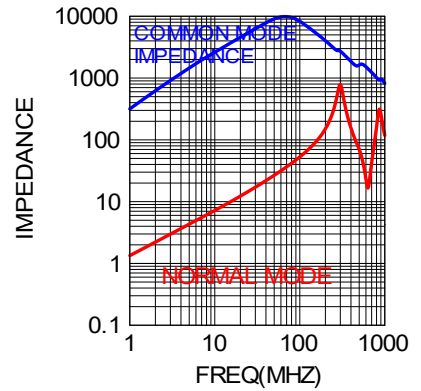
WCM-3225AUTO-110YT



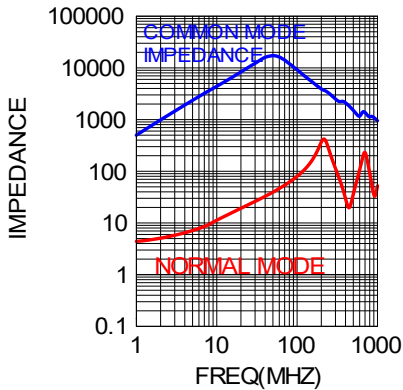
WCM-3225AUTO-220YT



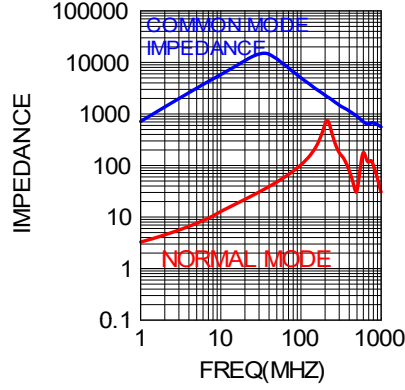
WCM-3225AUTO-510YT



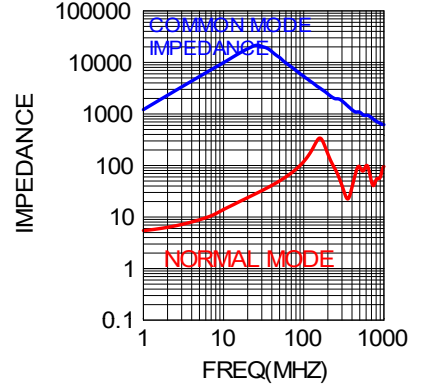
WCM-3225AUTO-800YT



WCM-3225AUTO-101YT



WCM-3225AUTO-201YT



※IDC: Based on Temperature increase 40°C

※Operating temperature range : -40 to +125°C (including self-generated heat)

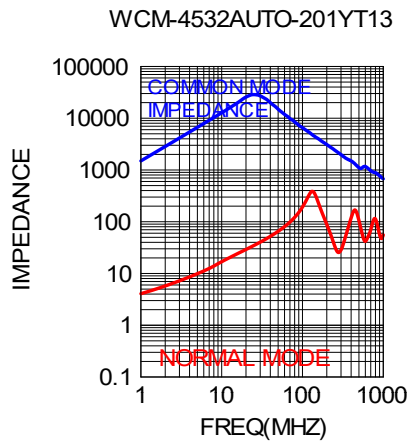
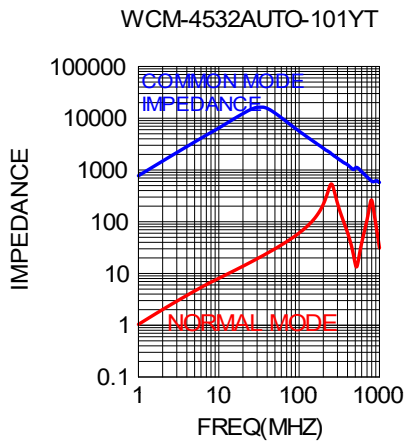
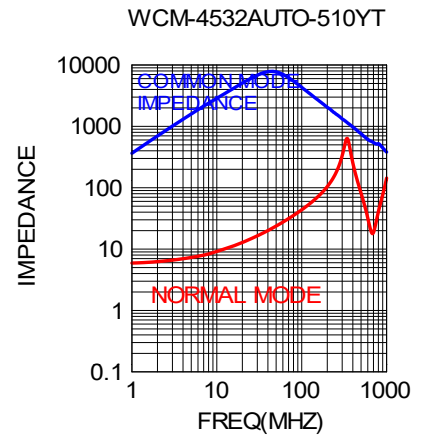
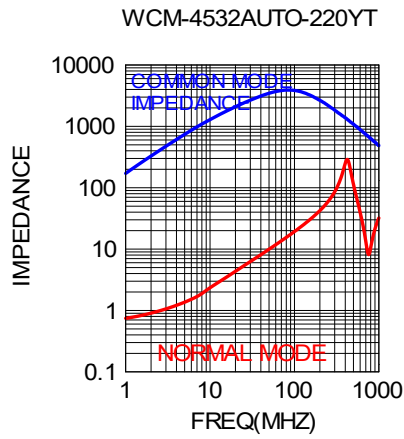
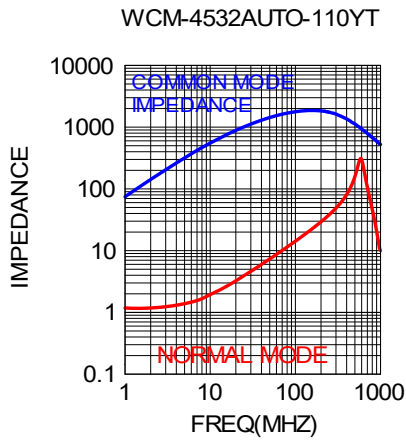
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COMMON MODE CHOKE → WCM-4532AUTO SERIES

ELECTRICAL CHARACTERISTICS

| ORDERING CODE | INDUCTANCE | IMPEDANCE | DC Resistance | IDC | Rated Voltage | Insulation Resistance |
|----------------------|--------------|-----------------|---------------|----------|---------------|-----------------------|
| | (μ H) | (Ω)TYP | (Ω) | | | |
| | 100KHz/100mV | 10MHz/100mV | max | (mA) max | V (DC) | (m Ω) min |
| WCM-4532AUTO-110YT | 11+50(-30)% | 600 | 0.6 | 250 | 50 | 10 |
| WCM-4532AUTO-220YT | 22+50(-30)% | 1200 | 1.0 | 200 | 50 | 10 |
| WCM-4532AUTO-510YT | 51+50(-30)% | 2800 | 1.0 | 200 | 50 | 10 |
| WCM-4532AUTO-101YT | 100+50(-30)% | 5800 | 2.0 | 150 | 50 | 10 |
| WCM-4532AUTO-201YT13 | 200+60(-20) | 13000 | 4.5 | 100 | 50 | 10 |



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