

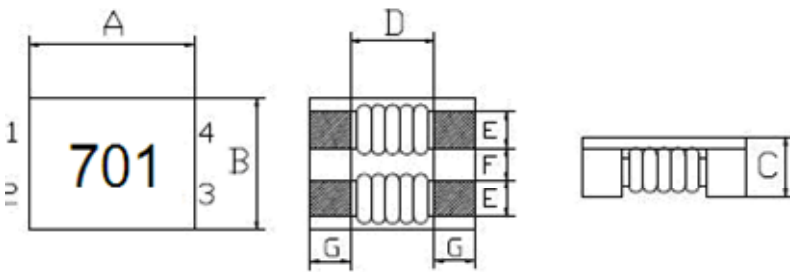
FEATRLRES

- Exclusive square type closed magnetic core designed as an exclusive core is used, so it can be small while maintaining the same features.
- Low profile design makes it optimal for surface mounting.
- Excellent impedance characteristics, making it great for suppressing common mode noise.
- Series includes large current products up to 8A, making them compatible with various DC power lines.

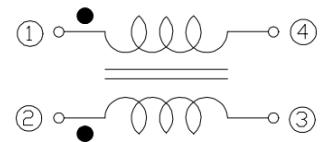
APPLICATIONS

- Common mode noise countermeasure for electronic controller DC power lines and power supply lines for car multi-media equipment and various electronic devices.

CONFIGLRATIONS & DIMENSIONS (unit in mm)



CIRCUIT DIAGRAM



Type	A	B	C	D	E	F	G
WCM7060F	7.0 ±0.5	6.0 ±0.5	3.8MAX	3.5typ	1.5 ±0.2	1.5 ±0.2	1.75 ±0.2

ELECTRICAL CHARACTERISTICS

Product No.	Z (Ω)		DCR(Ω) Max(1 LINE)	Rated Current (A)Max	IR (MΩ) MIN	Rated Voltage (V)MAX	MARKING
	100MHz/0.5V MIN	TYP					
WCM7060F-301	225	300	10m	5	10	80	301
WCM7060F-601	500	700	15m	4	10	80	601
WCM7060F-701	500	700	15m	4	10	80	701
WCM7060F-102	800	1020	17m	3	10	80	102
WCM7060F-132	910	1300	21m	2.5	10	80	132

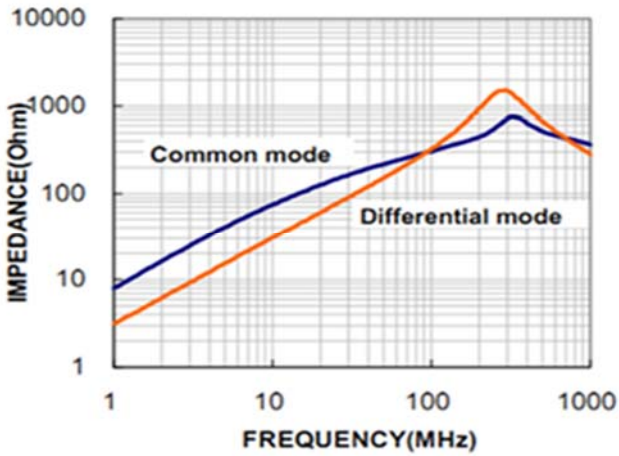
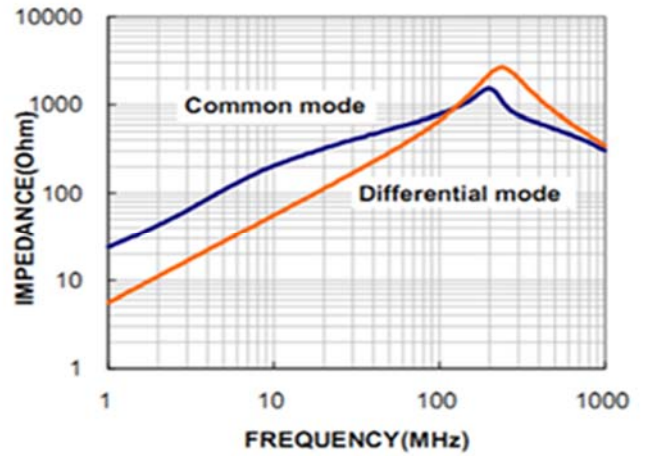
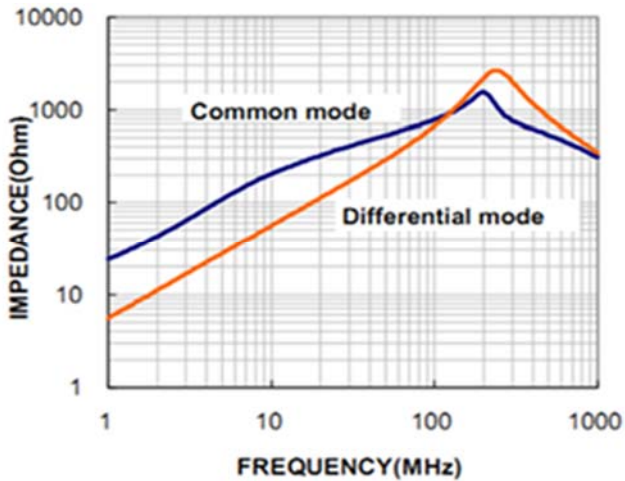
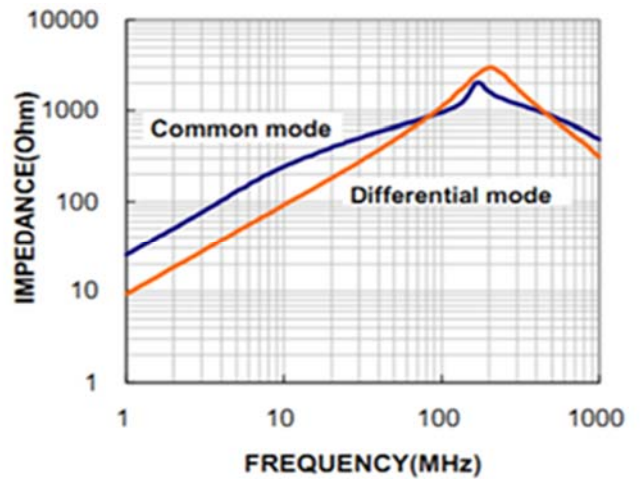
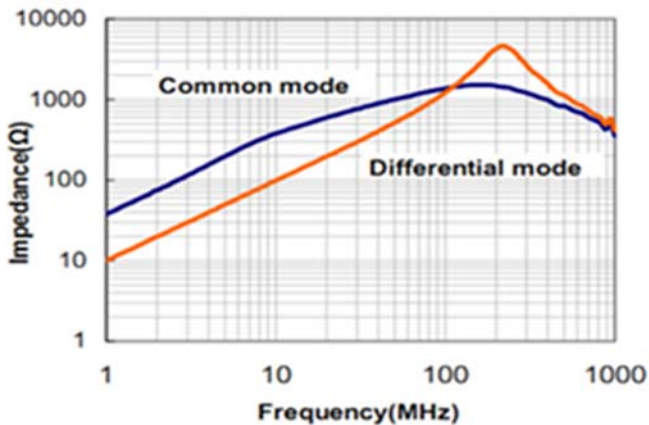
Operating temperature : -40 to +85°C

Storage temp. and humidity : -40 to +85°C ,70%RH max

Typical Heat Rating DC Current would cause an approximately ΔT of 40°C

※ Specifications are subject to changes for improvement will issue the PCN (product change notice)
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PERFORMANCE CURVES

WCM7060F-301

WCM7060F-601

WCM7060F-701

WCM7060F-102

WCM7060F-132


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PACKAGING

<p>卷輪末標註尺寸一般公差是±0.2MM</p>	<ol style="list-style-type: none"> 1. 每卷盤裝 1500PCS. 2. 每小盒裝 3 個卷盤. 3. 每大箱裝 3 個小盒. 4. 標籤內容: <ol style="list-style-type: none"> (1). 客戶名稱. (2). 客戶料號. (3). 品名規格. (4). 數量. (5). 日期. (6). QC PASS 章. 5. 如果客戶有特殊要求,按客戶要求包裝:
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RELIABILITY

1.STORAGE TEMPERATURE: (貯存溫度範圍)	-25°C~+105°C -25°C~+105°C
2.OPERATING TEMPERATURE RANGE: 使用溫度範圍	-25°C~+105°C(CONTAINHEATING COIL) -25°C~+105°C(含線圈本身發熱)
3.EXTERNAL APPEARANCE: 外觀	NO EXTERNAL DEFECTS CAN BE CHAOWAOWEI IN THE VISUAL INSPECTION 在線圈表面無有害物質附著
4.TERMINAL STRENGTH: 電極強度	NO TEXTRMINAL DETACHMENT SHOULD BE CHAOWAOWEI WHEN THE DEVICE IS PUSHED IN TWO DIRECTIONS OF X AND Y WITH THE FORCE OF 10.0N FOR 10.±2 SECONDS AFTER SOLDERING BETOEEN COPPER PLATE AND THE TERMINALS .(REFER TO FIGUREATRIG HT). 將線圈的電極面與銅板焊接後, 要 X 與 Y 方向施加 10.0N 的靜加重 10±2sec, 電極面不會脫落. (參照右圖) 
5.HEAT ENDURANCE TEST 迴焊耐熱 測試	REFER TO FIGURE ONE.(ATPAGE) 參照耐熱試驗條件圖/建議迴焊條件圖
6.INSULATING RESISTANCE: 絕緣	THE INSULATION RESISTANCE SHOULD BE OVER 100MΩ WHEN D.C 100V IS APPLIED TO THE OINDING –CORE. MEANWHILE NO STRUCTURE AND ELECTRIC DEFECTS SHOULD BE CHAOWAOWEI FOR 1MINUTE. 在線圈和鐵芯上印加 D.C.100V 絕緣電阻必須超過 100MΩ, 保持 1min, 沒有短路發生.
7.TEMPERATURE FEATURE: 溫度特性	INDUCTANCE COEFFICIENT IS (0~2000)*10-6 (-25~+80°C) 電感的溫度係數為(0~2000)*10-6/°C (-25~+80°C)
8.HUMIDITY TEST: 濕度測試	INDUCTAGE DEVIATION IS WITHIN±5.0% AND NO STRUCTURE AND ELECTRIC DEFECTS CAN BE CHAOWAOWEI AFTER 96 HOURS TEST UNDER THE CONDITION OF RELATIVE HUMIDITY OF 90~95% AND TEMPERATURE OF 40±2°C. AND 1 HOUR STORAGE UNDER ROOM AMBIENT CONDITIOS AFT ER THE DEVICE IS WIPED WITH DRY CLOTH. 相對濕度為 90~95%, 溫度為 40±5.0%的條件下放置 96 小時. 將其擦幹在室內環境下放置 1 小時, 電感值變化在初始±5.0%內, 結構以及電氣特性沒有發生變化.
9.VIBRATION TEST: 耐震測試	INDUCTANCE DEVIATION IS WITHIN±5.0% AFTER 1 HOUR SWEEPING VIBRATION IN EACH THREE DIRECTIONS .NAMELY, FREQUENCY IS 10~55~10Hz AND THE AMPLITUDE OF 1MINUTE CYCLE IS 1.5mmpp. 振動周波數 10~55~10Hz, 振幅 1.5m/m 在三個方向各保持一個小時, 電感值變化在初始值±5.0%內
10.SHOCK TEST 耐衝擊測試	INDUCTANCE DEVIATION IS WITHIN±5.0% AFTER THE WITH GOM-BLOCK SHOCK TESTIG MACHINE, ONCE IN EACH OF THE THREE PERPENDICULAR AXIS DIRECTIONS. THE SHOCK ACCELERATION IS 981m/s². 用 GOM-BLOCK 振動測試儀器在垂直的坐標軸方向測試, 電感值變化在初始值±5.0%內. 衝擊加速度為 981ms².

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