



Fonrita  
方瑞達電子

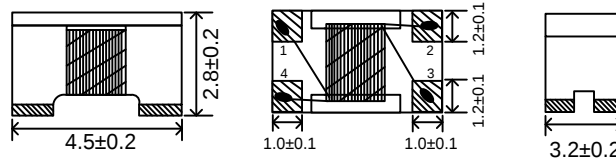
## COMMON MODE INDUCTORS

共模電感

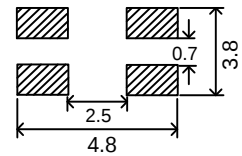
Type: FCM4532



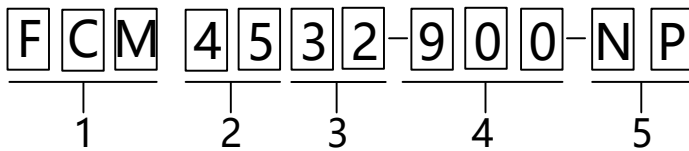
Dimensions外形尺寸(mm)



Land Pattern(mm)



### PRODUCT IDENTIFICATION/產品標識



1. Product symbol/產品類型 : FCM (Unshielded/無屏蔽)
  2. Body length/產品長度 : mm
  3. Body wide/產品寬度 : mm
  4. Impedance/阻抗 :  $\Omega$
  5. RoHS Compliant(SGS Certified)
- 本產品滿足環境保護要求(有害物質限用)



### FEATURES:

- Quantity/reel:500PCS.
- Square 4.5mm type(4.7mm Max),Height 3.0mm Max.
- High common mode impedance at high frequency effects excellent noise suppression performance.
- Radiated noise suppression for car multimedia interfaces (MOST,USB2.0,IDB-1394,etc).

### 特長:

- 數量/卷:500PCS.
- 方形4.5mm(4.7mm Max),高度3.0mm Max.
- 高頻下高共模阻抗產生極好的噪聲抑制效果.
- 應用於汽車多媒體接口(MOST,USB2.0,IDB-1394等)的輻射噪聲抑制.

### ELECTRICAL CHARACTERISTICS/電氣特性

| Part NO.<br>品名 | Impedance<br>阻抗( $\Omega$ ) | RDC<br>Max( $\Omega$ ) | IDC<br>Max(mA) | Rated Voltage<br>Vdc Max. | Withstand Volt.<br>Vdc Max. | IR<br>Min( $\Omega$ ) |
|----------------|-----------------------------|------------------------|----------------|---------------------------|-----------------------------|-----------------------|
| FCM4532-800    | 80 $\pm$ 25%                | 0.05                   | 3000           | 50                        | 125                         | 10M                   |
| FCM4532-900    | 90 $\pm$ 25%                | 0.05                   | 3000           | 50                        | 125                         | 10M                   |
| FCM4532-121    | 120 $\pm$ 25%               | 0.05                   | 3000           | 50                        | 125                         | 10M                   |
| FCM4532-201    | 200 $\pm$ 25%               | 0.10                   | 1500           | 50                        | 125                         | 10M                   |
| FCM4532-601    | 600 $\pm$ 25%               | 0.24                   | 1500           | 50                        | 125                         | 10M                   |
| FCM4532-801    | 800 $\pm$ 25%               | 0.24                   | 1000           | 50                        | 125                         | 10M                   |

Impedance Range/阻抗範圍:80~800 $\Omega$

Operating Temperature/工作溫度:-40 $^{\circ}$ C ~ +125 $^{\circ}$ C

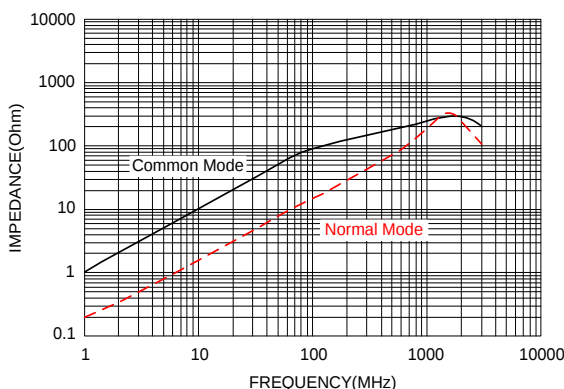
Storage Temperature/儲存溫度:-40 $^{\circ}$ C ~ +125 $^{\circ}$ C

(1) Test frequency :100MHz;

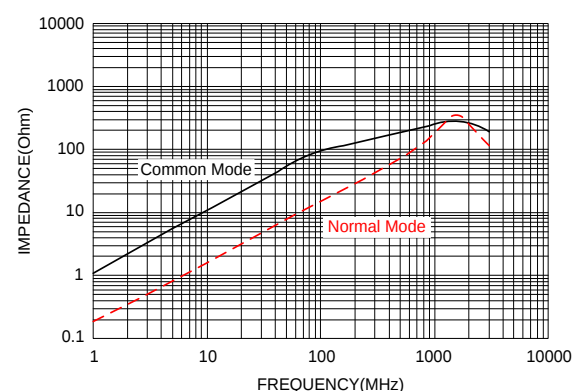
(1) 測試頻率:100MHz;

### IMPEDANCE VS. FREQUENCY CHARACTERISTICS/阻抗頻率特性

FCM4532-800-NP

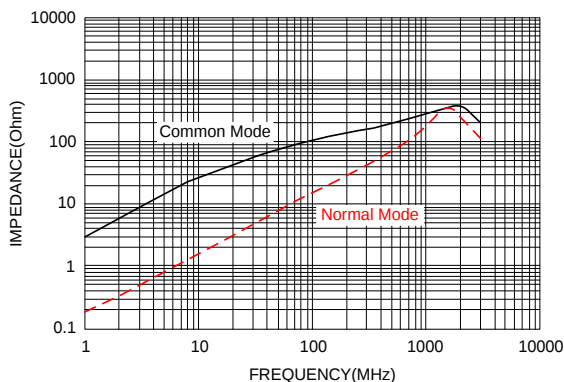


FCM4532-900-NP

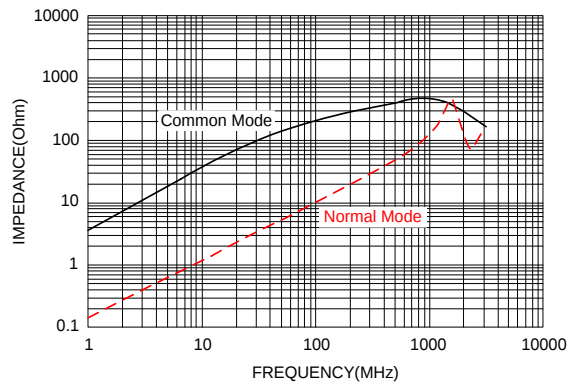




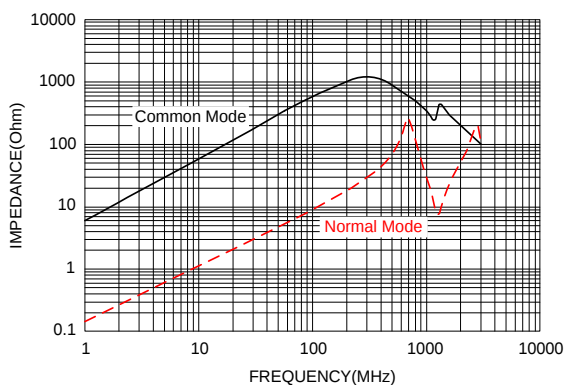
FCM4532-121-NP



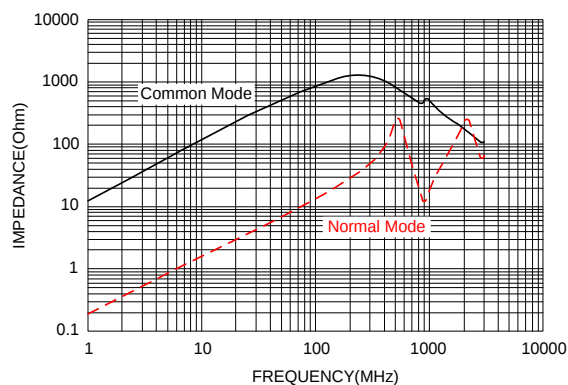
FCM4532-201-NP



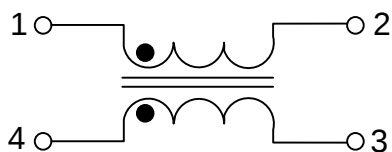
FCM4532-601-NP



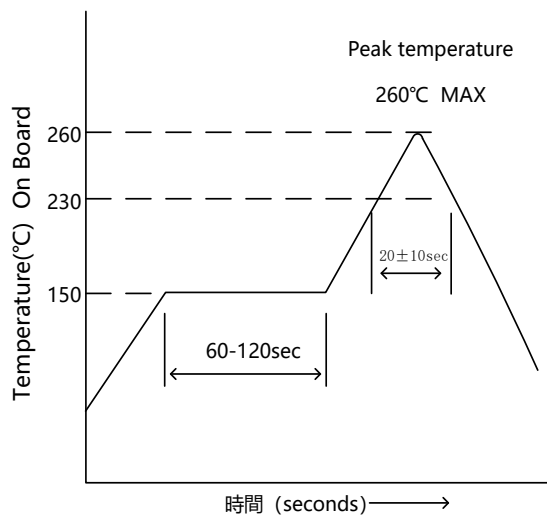
FCM4532-801-NP



## Electrical Schematic/原理圖



## Recommended Temperature Conditions of Air Reflow Soldering/推薦回流焊溫度條件



In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.

除了這裡顯示的標準品之外,可根據客戶要求進行設計.