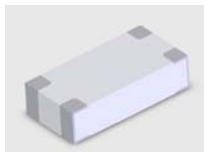


# Common Mode Choke 共模扼流線圈

## COMS SERIES 系列



### INTRODUCTION 產品介紹

The COMS series is effective for common mode noise suppression in differential signal. The multilayer common mode choke coil structure enables noise suppression without damaging the differential signal.

COMS 系列有效的抑制高頻共模雜訊，適合於差模傳輸信號線上輻射雜訊的抑制。積層式共模扼流線圈結構確保雜訊抑制且不會影響差模主訊號。

### FEATURES 特色

1. The COMS series is effective for common mode noise suppression in digital equipment.

COMS 系列可有效的抑制在數位設備上信號線所產生的共模雜訊。

2. Low leakage flux due to monolithic structure enables high-density mounting.

單石結構的低漏磁損失可確保高密度黏著。

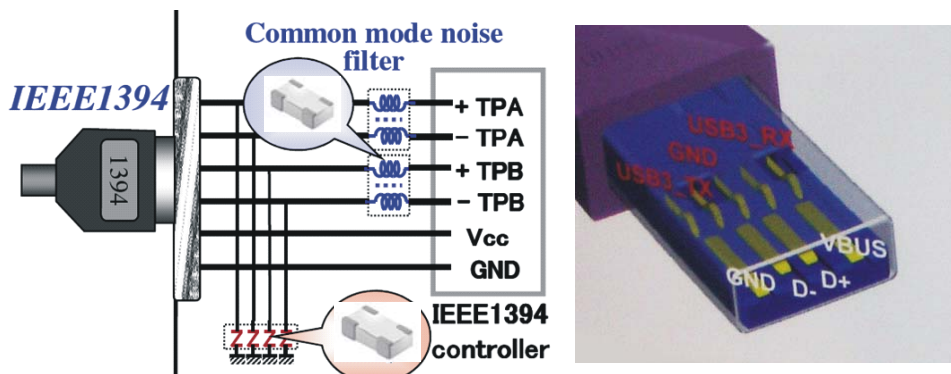
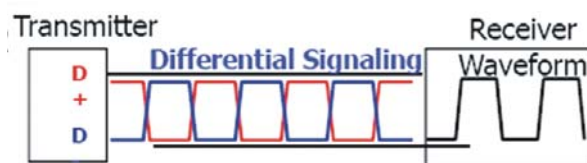
### APPLICATION 適用產品

1. High speed interfaces of tablet, notebook, desktop computers and peripheral equipments. 平板、筆記型、桌上型電腦及其週邊設備的高速介面。

2. Differential interfaces of Blu-ray DVD recorder, DSC, DVC, LCD Television. 藍光錄放影機、數位相機、數位攝影機、液晶電視機的差模介面。

3. USB interfaces of mobile phone, smart phone. 行動電話、智慧手機的 USB 介面。

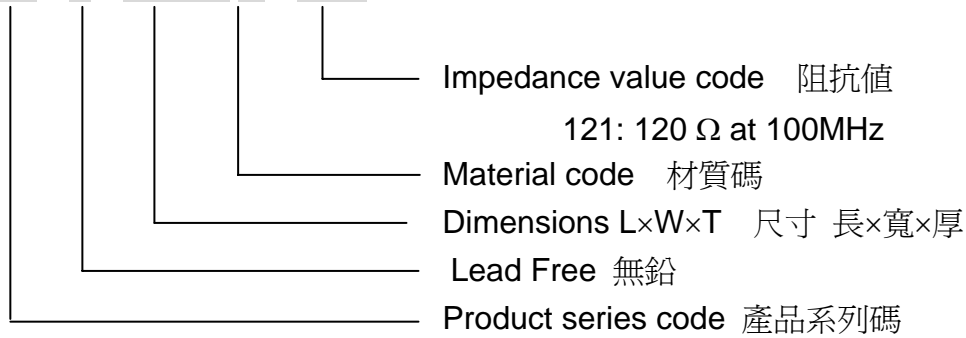
4. Various differential circuits. 各式差模電路。



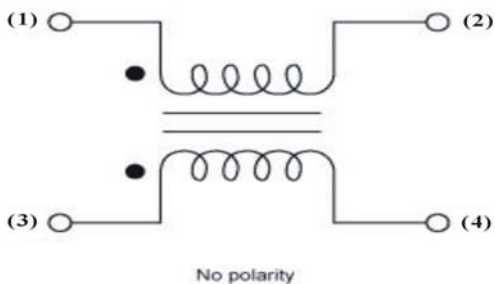
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**PART NUMBER SYSTEM 編碼系統**

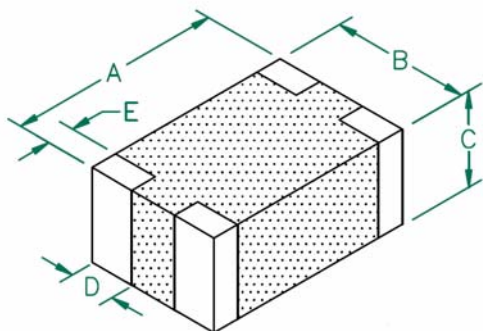
**COM S 201209 M 121**



**EQUIVALENT CIRCUIT DIAGRAM 等效電路圖**



**SHAPES AND DIMENSIONS 形狀與尺寸**



SHAPE 尺寸	A mm	B mm	C mm	D mm	E mm
1210 (0504)	1.25±0.1	1.00±0.1	0.82±0.1	0.30±0.1	0.25±0.1
2012 (0805)	2.00±0.2	1.25±0.2	0.90±0.2	0.30±0.2	0.40±0.2

**Electrical characteristics 電氣特性**

Part Number 產品料號	Common mode Impedance 共模阻抗 Ω±25% 歐姆 @100MHz	INSULATION RESISTANCE Ω (MIN) 絕緣阻抗	DC Resistance Ω (MAX) 直流電阻	Rated Current mA (MAX) 額定電流
COMS121008M350	35	100M	0.9	170
COMS121008M670	67	100M	1.2	150
COMS121008M900	90	100M	1.4	150
COMS201209M670	67	100M		
COMS201209M900	90	100M	0.7	400
COMS201209M121	120	100M	0.7	400
KOMS201209M350	35	100M		
KOMS201209M670	67	100M		
KOMS201209M900	90	100M		

\*TEST EQUIPMENT :E4991A IMPEDANCE ANALYZER 量測儀器:E4991A 阻抗分析儀

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