

Common Mode Choke 共模扼流線圈

COMS SERIES 系列



INTRODUCTION 簡介

The COMS series is effective in high frequency noise suppression and suitable for suppression of radiation noise in signal cables. The common mode choke coil structure enables noise suppression without damaging the signal. MAXECHO original material technology and monolithic technology enable a compact size of 3.2×1.6×1.15mm & 2.0×1.25×1.1mm.

COMS 系列有效的抑制高頻雜訊並適合於信號線上輻射雜訊抑制。共模扼流線圈結構確保雜訊抑制，不會損壞主訊號。Max Echo 產品的材料和單體結構技術，確保 3.2x1.6x1.15mm & 2.0x1.25x1.1mm 小型尺寸

FEATURES 特徵

1. The COMS series is effective for common mode noise suppression in digital equipment which causes radiation from cables.

COMS 系列在數位設備上信號線所產生的輻射可有效的抑制雜訊。

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

單體結構的低漏磁損失，確保高密度黏著

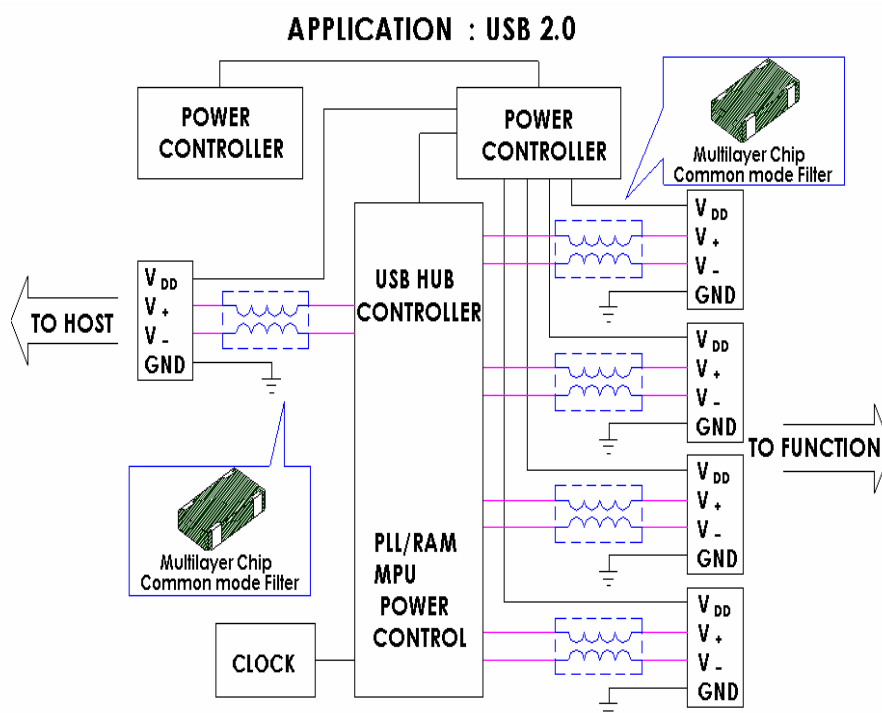
3. The nickel barrier structure of the external electrodes provides excellent solder heat resistance.

外電極之鎳錫間隔，提供優良的抗焊錫熱

APPLICATION 應用

Prevention of common mode noise on signal line in personal computers, computer built in equipments, facsimiles, digital telephones, etc.

避免個人電腦，電腦設備組合，傳真機，數位電話等訊號線共模雜訊干擾

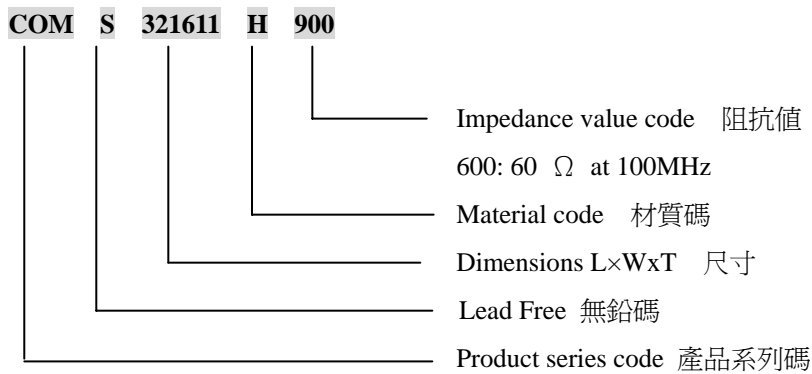


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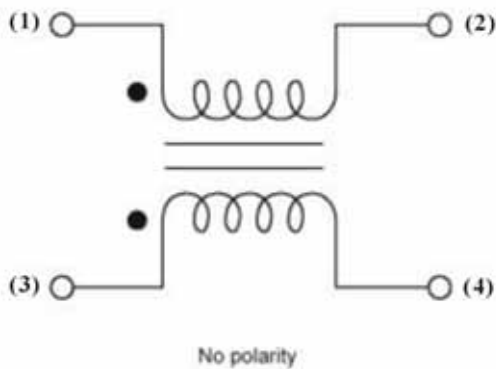
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Common Mode Choke 共模扼流線圈

PART NUMBER SYSTEM 料號系統

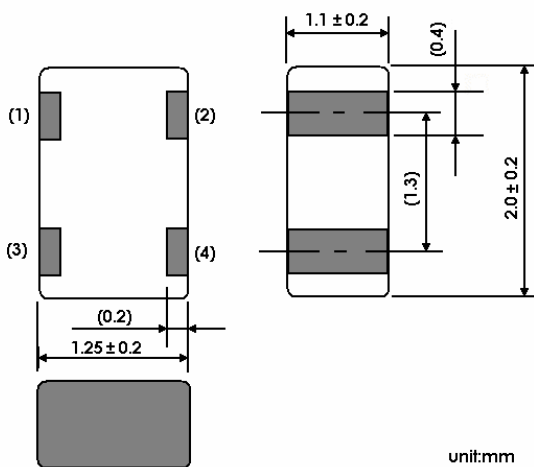


EQUIVALENT CIRCUIT DIAGRAM 對等電路圖

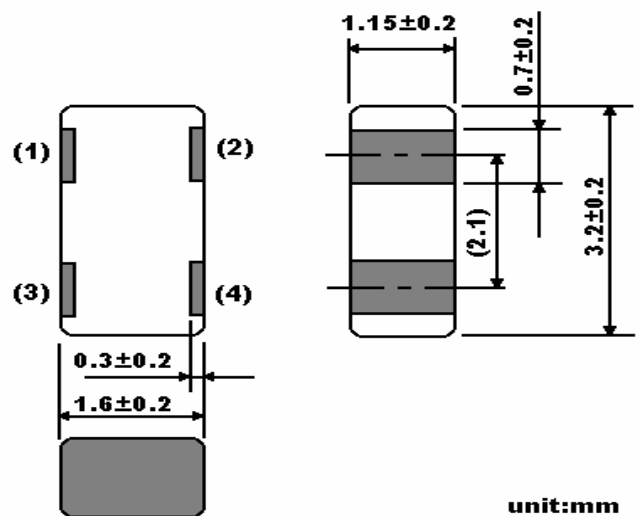


SHAPES AND DIMENSIONS 形狀與尺寸

COMS201211



COMS321611



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Common Mode Choke 共模扼流線圈

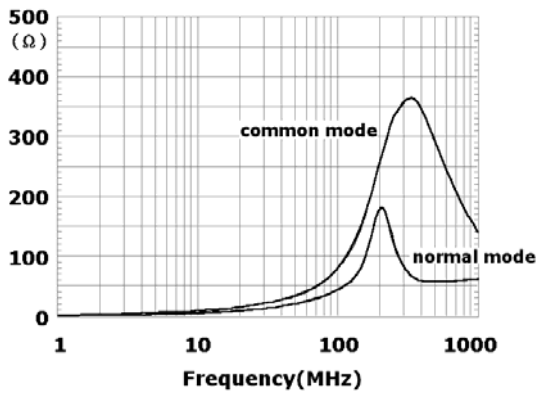
Electrical characteristics 電氣特性

Part Number 料號	Common mode Impedance 阻值 (Ω) \pm 25% [100MHz]	INSULATION RESISTANCE Ω (MIN) 絕緣阻抗	Rated Current mA (MAX) 額定電流
COMS321611H900	90	100M	100
COMS321611H121	120	100M	100
COMS201211H600	60	100M	100

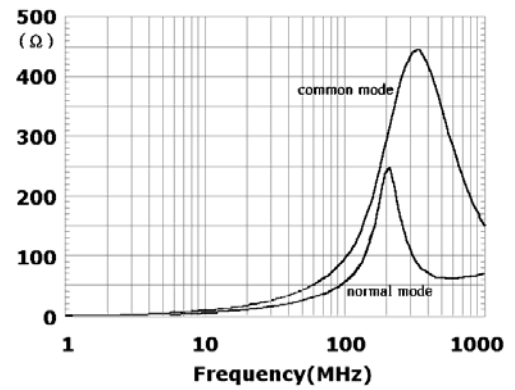
*TEST EQUIPMENT :HP-4291A IMPEDANCE ANALYZER 量測儀器:HP4291A 分析阻值

COMMON MODE & NORMAL MODE vs. FREQUENCY CHARACTERISTICS

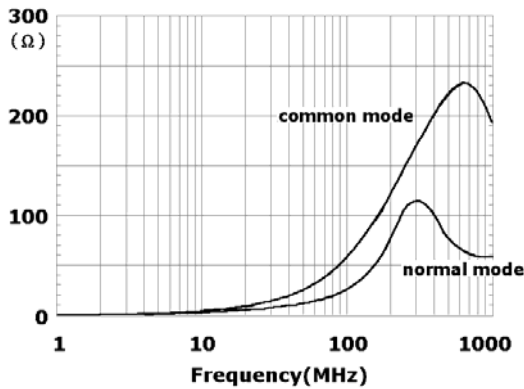
COMS321611H900



COMS321611H121

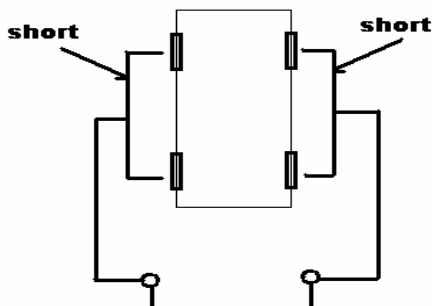


COMS201211H600



Impedance measure

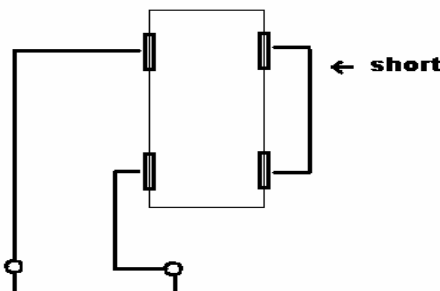
COMMON MODE



Measuring Equipment :
HP 4291+16192 FIXTURE

阻抗測量方式

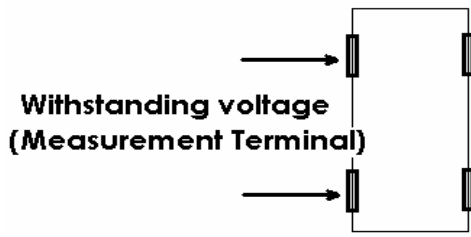
(Differential mode)



Measuring Equipment :
HP 4291+16192 FIXTURE

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**Test Voltage : 2.5 times for
Rated Voltage**

Time: 1 to 5 seconds

Measuring Equipment :

**GW
MODEL:GPT-515AD**

Measuring Voltage:Rated Voltage

Measuring Time: 1 minute max.

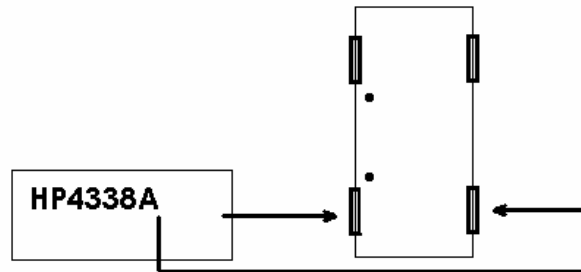
Measuring Equipment :

**KEITHLEY
MODEL:2410**

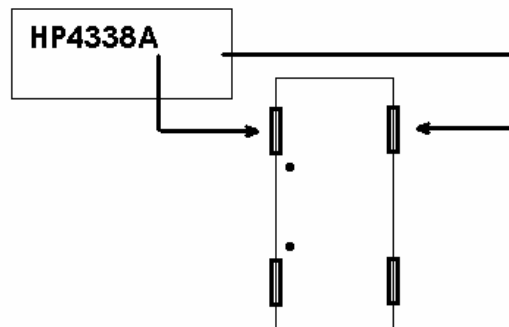
DC RESISTANCE MEASURE

直流電阻量測方式

DC Resistance



Measuring Equipment :



DC Resistance

Measuring Equipment :

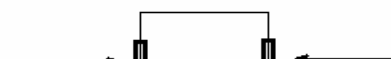
HP4338A

(Measurement Terminal)



(Measurement Terminal)

(Measurement Terminal)



(Measurement Terminal)

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