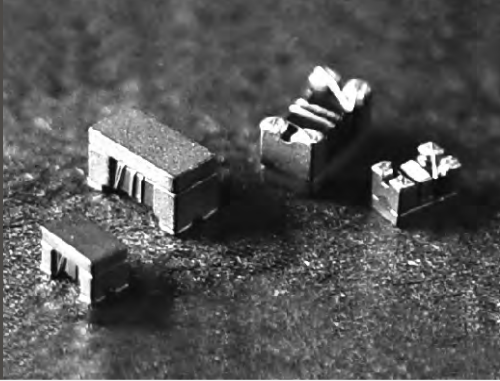


COMMON MODE FILTER

Series CM-3 For USB 3.0



FEATURES

- ◆ Common mode noise suppression of signal lines in high speed and high density digital equipment Such as personal computers and peripherals. Gausstek's CM-3 series does not provide distortion to high speed signal transmission due to its high coupling. The wire wound features advance in lower DC resistance and higher current tolerance, and much Stable performance.

APPLICATIONS

- ◆ Suitable for differential signal line like USB3.0 ,USB2.0, LVDs Lan and HUB,

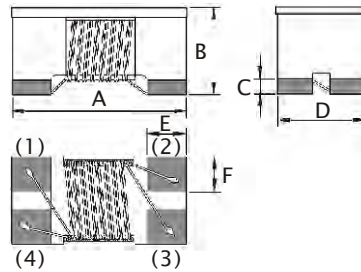
PRODUCT IDENTIFICATION

CM 20 3 12 2 S 90R
a **b** **c** **d** **e** **f** **g**

- a : Type of products - SMD COMMON MODE FILTER
- b : Lenth (mm) - 20 : 2.0
- c : Material - 3 : for USB 3.0 Designed
- d : width (mm) - 12 : 1.2
- e : Packing - PCS / REEL - 1 : 500 2 : 2,000
- f : Tolerance - S : $\pm 25\%$
- g : Impedance - 90R = 90 Ω , 1K = 100 Ω

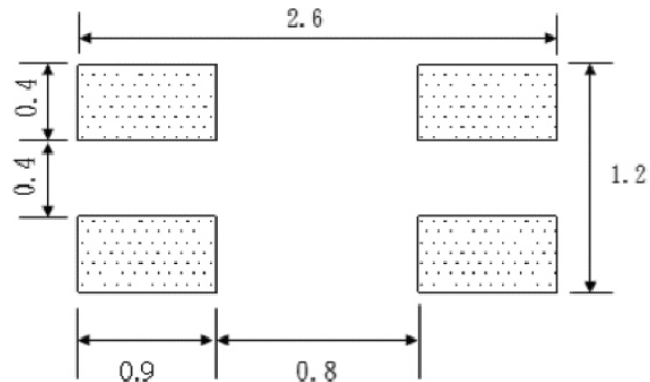
DIMENSIONS

Type	Alias in mm	Alias in inch	A	B	C ref.	D	E typ.
CM20312	2012	0805	2.0 \pm 0.2	1.2 \pm 0.2	0.17	1.2 \pm 0.2	0.45



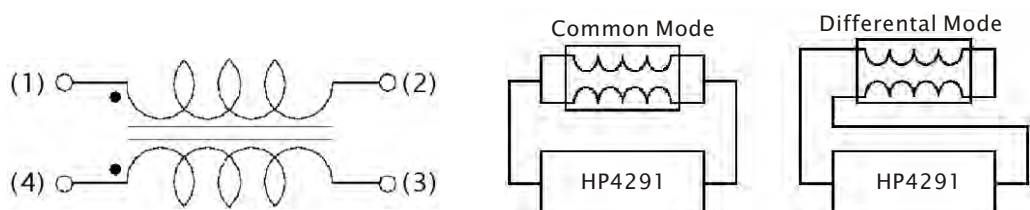
in mm

LAND PATTERNS



in mm

STRUCTURE OF TEST CIRCUIT



COMMON MODE FILTER

Series **CM-3 For USB 3.0**

ELECTRICAL CHARACTERISTICS

Part Number	Alias in mm	Alias in inch	Common-Mode Impedance (Ω) at 100 Mhz	RDC (Ω) max.	IDC (mA) max.	VDC (V)	Withstanding Voltage (V)	Cut-off Frequency (GHz)	Insulation Resistance ($M\Omega$) min.
CM203122S90R	2012	0805	90 \pm 25%	0.30	300	50	125	7.5 typ.	10

CURVES

