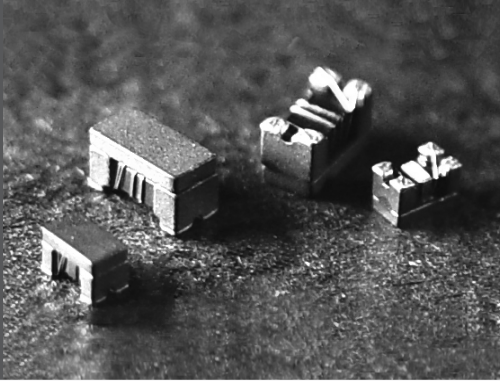


## COMMON MODE FILTER

### Series CM-D For HDMI



#### 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-D 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

- ◆ HDMI for Databox, TV, Audio, Video, Notebook...etc.

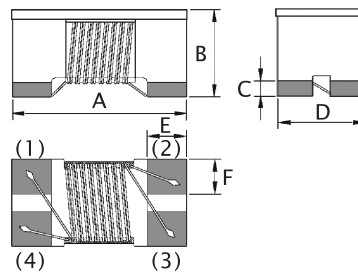
#### PRODUCT IDENTIFICATION

CM 20 D 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 HDMI 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  $\Omega$ , 1K = 100  $\Omega$

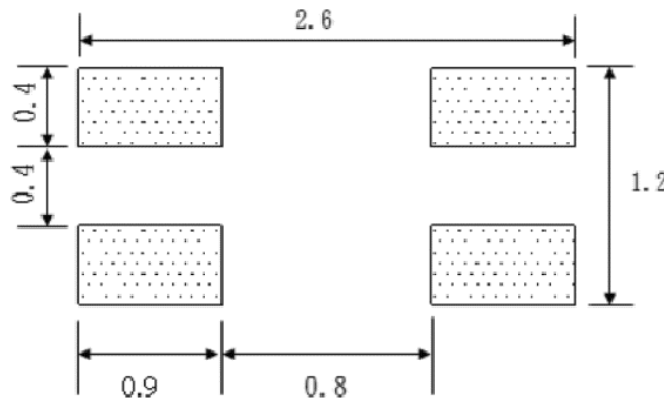
#### DIMENSIONS

Type	Alias in mm	Alias in inch	A	B	C ref.	D	E typ.	F typ.	in mm
CM20D12	2012	0805	2.0 $\pm$ 0.2	1.2 $\pm$ 0.2	0.17	1.2 $\pm$ 0.2	0.45	0.4	



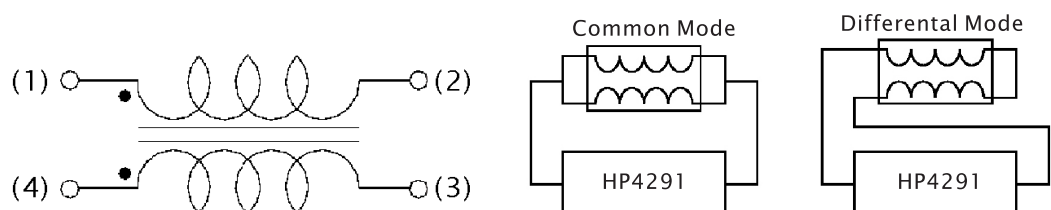
in mm

#### LAND PATTERNS



in mm

#### STRUCTURE OF TEST CIRCUIT



# COMMON MODE FILTER

Series **CM-D** For **HDMI**

## ELECTRICAL CHARACTERISTICS

Part Number	Alias in mm	Alias in inch	Common-Mode Impedance ( $\Omega$ ) at 100 MHz	RDC ( $\Omega$ ) max.	IDC (mA) max.	VDC (V)	Withstanding Voltage (V)	Cut-off Frequency (GHz)	Insulation Resistance ( $M\Omega$ ) min.
CM20D122S90R	2012	0805	90 $\pm$ 25%	0.30	300	50	125	6.0 typ.	10

## CURVES

