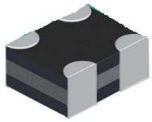


## SMD Common Mode Choke - SCMM-U Series



### SCMM-U Series For For HDMI,MIPI,MHL USB 3.0



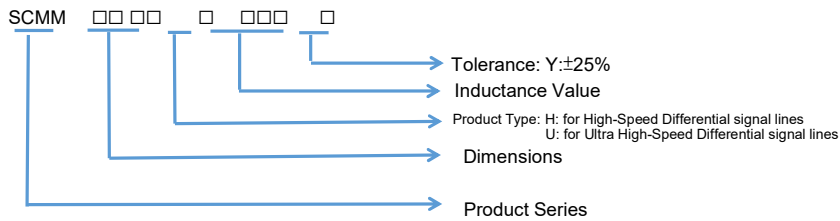
#### Features:

- RoHS Compliant
- Effective for suppressing common mode noise at high frequency
- Excellent solderability characteristics
- Small size & low profile
- Multilayer type SMD component based on LTCC technology

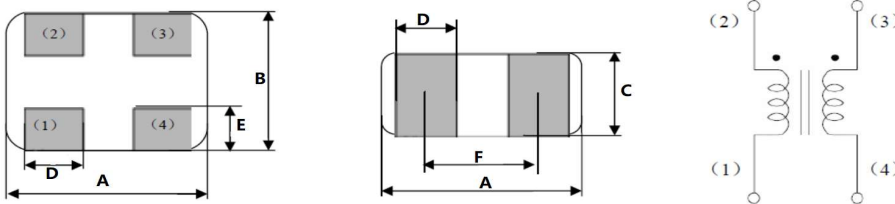
#### Applications:

- Common mode noise suppression for high speed differential signal lines, such as MIPI, MHL, HDMI in mobile, tablet PC, TV etc.

#### Product Identification



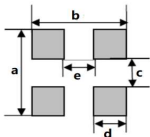
#### Dimensions-mm



#### Dimensions-mm

TYPE	A	B	C	D	E	F
SCMM0605U	0.65±0.05	0.50±0.05	0.30±0.05	0.15+0.1/-0.05	0.12+0.1/-0.05	0.40±0.10

#### Recommended Pad Layout



#### Dimensions-mm

TYPE	a	b	c	d	e
SCMM0605U	0.80	0.71	0.20	0.23	0.25

## SMD Common Mode Choke - SCMM-U Series

### Electrical Characteristics

Part No.	Impedance ( $\Omega$ )	Tolerance ( $\pm\%$ )	Test Frequency (MHz)	RDC ( $\Omega$ )Max.	IDC (mA)Max.	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance (M $\Omega$ )Min
SCMM0605U-120	12	12 $\pm$ 5	100	2.50	50	5	12.5	100
SCMM0605U-250	25	20	100	3.50	50	5	12.5	100

#### Note:

1. tolerance M= $\pm$ 20%
2. Operating temperature range - 40°C ~ 85°C(Including self - temperature rise)
3. IDC for DC current(A) that will cause an approximate  $\Delta T$  of 40°C
4. Measure Equipment :  
 Z : Agilent HP4287A+Agilent 16197A  
 RDC : HP4338B or Chroma 16502 (Single Wire Test Value)  
 I rms : HP4284A+HP42841A/HP4285A+HP42841A  
 Insulation Resistance : Agilent HP4339B  
 Temperature:26 $\pm$ 3°C  
 Humidity:<70% RH

## SMD Common Mode Choke - SCMM-U Series

### Curve

