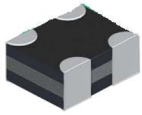


SMD Common Mode Choke - SCMM-U Series

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



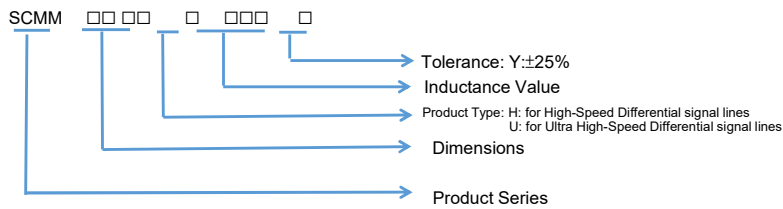
Features:

- 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

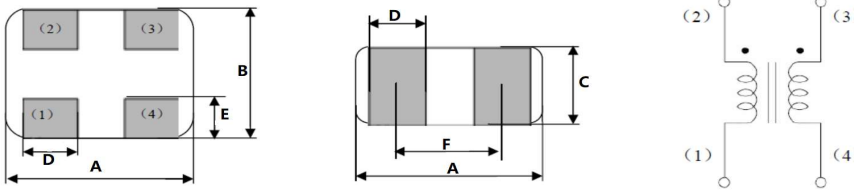
Applications:

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

Product Identification



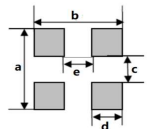
Dimensions-mm



Dimensions-mm

TYPE	A	B	C	D	E	F
SCMM0806U	0.85±0.05	0.65±0.05	0.40±0.05	0.27±0.05	0.20+0.0.05/-0.10	0.50±0.05

Recommended Pad Layout



Dimensions-mm

TYPE	a	b	c	d	e
SCMM0806U	0.90	0.80	0.30	0.30	0.20

SMD Common Mode Choke - SCMM-U Series

Electrical Characteristics

Part No.	Impedance (Ω)	Tolerance (±%)	Test Frequency (MHZ)	RDC (Ω)Max.	IDC (mA)Max.	Insulation Resistance (MΩ)Min	Cutoff Frequency(typ.)(GHz)
SCMM0806U-120	12	12±5	100	2.50	130	100	>8
SCMM0806U-350	35	20	100	3.50	100	100	>6
SCMM0806U-470	47	20	100	4.00	100	100	6
SCMM0806U-900	90	20	100	4.50	100	100	3.5

Note:

- 1.tolerance M=±20%
2. Operating temperature range - 40°C ~ 85°C(Including self - temperature rise)
- 3.IDC for DC current(A) that will cause an approximate ΔT of 40°C
4. Measure Equipment :

Z : Agilent HP4287A+Agilent 16197A

RDC : HP4338B or Chroma 16502 (Single Wire Test Value)

Irms : HP4284A+HP42841A/HP4285A+HP42841A

Insulation Resistance : Agilent HP4339B

Temperature:26±3°C

Humidity:<70% RH

SMD Common Mode Choke - SCMM-U Series

Curve:

SCMM0806U Series

