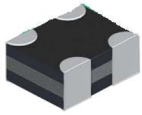


SMD Common Mode Choke - SCMM-H Series

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



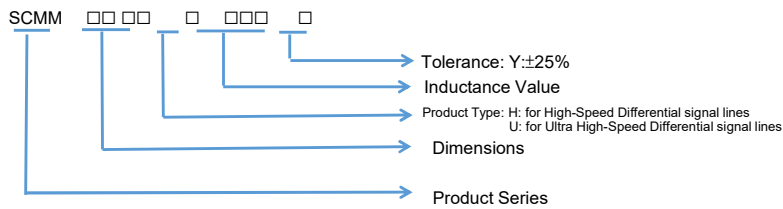
Features:

- 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

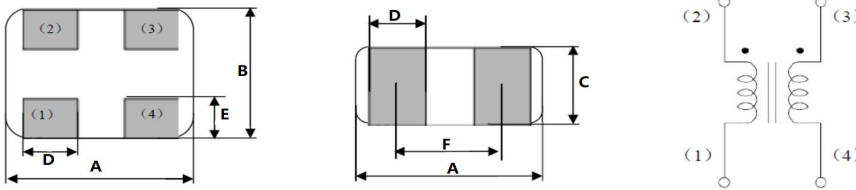
Applications:

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

Product Identification



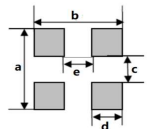
Dimensions-mm



Dimensions-mm

TYPE	A	B	C	D	E	F
SCMM0806H	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
SCMM0806H	0.90	0.80	0.30	0.30	0.20

SMD Common Mode Choke - SCMM-H Series

Electrical Characteristics

Part No.	Impedance (Ω)	Tolerance (±%)	Test Frequency (MHZ)	RDC (Ω)Max.	IDC (mA)Max.	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance (MΩ)Min
SCMM0806H-120	12	12±5	100	2.50	130	5	12.5	100
SCMM0806H-350	35	20	100	3.00	100	5	12.5	100
SCMM0806H-470	47	20	100	3.50	100	5	12.5	100
SCMM0806H-900	90	20	100	4.00	100	5	12.5	100

Note:

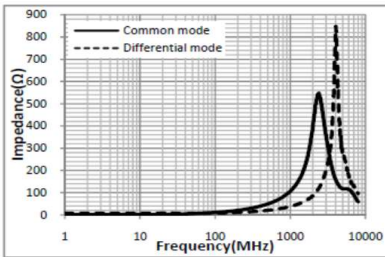
- 1.tolerance M=±20%
2. Operating temperature range - 40°C ~ 85°C(Including self - temperature rise)
- 3.IDC for DC current(A) that will cause an approximate ΔT of 40°C
4. Measure Equipment :
Z : Agilent HP4287A+Agilent 16197A
RDC : HP4338B or Chroma 16502 (Single Wire Test Value)
Irms : HP4284A+HP42841A/HP4285A+HP42841A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

SMD Common Mode Choke - SCMM-H Series

Curve:

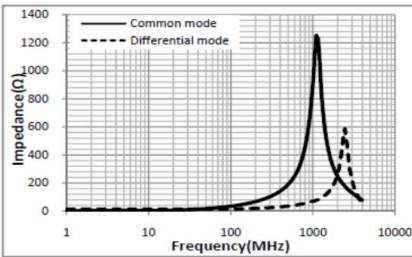
SCMM0806H-120

Impedance vs. Frequency

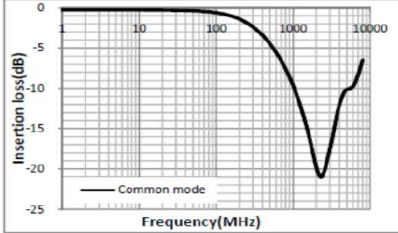


SCMM0806H-350

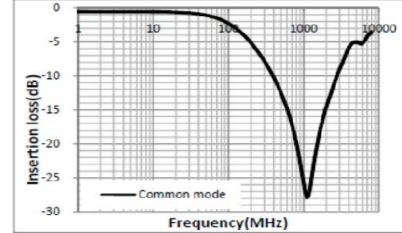
Impedance vs. Frequency



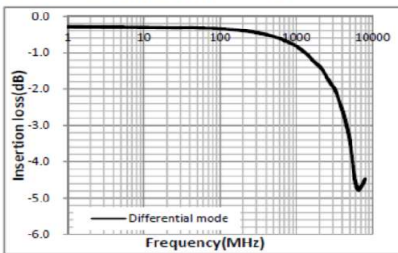
Insertion loss vs. Frequency (SCMM0806H-120)



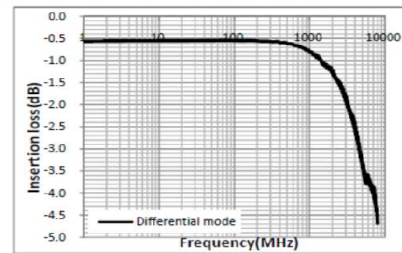
Insertion loss vs. Frequency (SCMM0806H-350)



Insertion loss vs. Frequency (SCMM0806H-120)

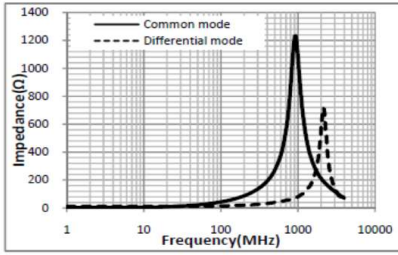


Insertion loss vs. Frequency (SCMM0806H-350)



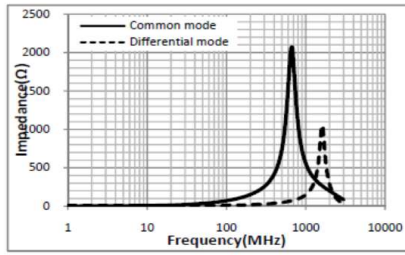
SCMM0806H-470

Impedance vs. Frequency (scmm0806H-470)

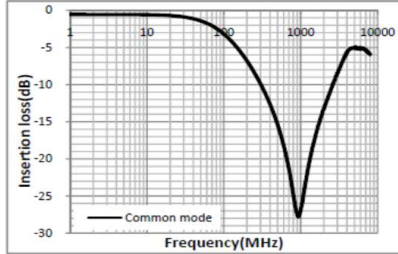


SCMM0806H-900

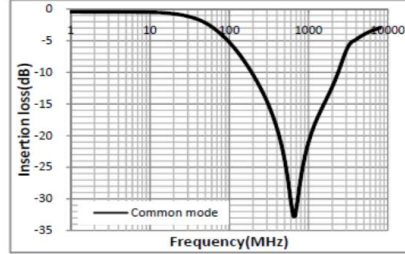
Impedance vs. Frequency (scmm0806H-900)



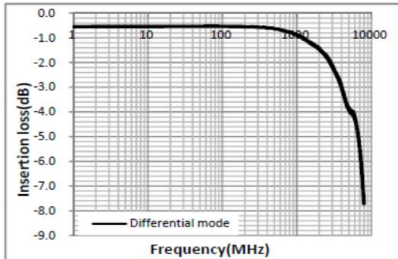
Insertion loss vs. Frequency (scmm0806H-470)



Insertion loss vs. Frequency (scmm0806H-900)



Insertion loss vs. Frequency (scmm0806H-470)



Insertion loss vs. Frequency (scmm0806H-900)

