

COMMON MODE CHOKE (Flat Wire Winding)



- Core Size : SQ1212
- Rated Current : 1.5 A
- Dielectric strength : 2000Vrms
- Rated Voltage 250V AC
- Operating Temperature : -20~120°C
- Application : large current & small size power supply

ELECTRICAL SPECIFICATIONS @25°C

Model No.	I RMS (Amps)	OCL(mH min)	MAX DCR(mΩ)	Inductance Difference(uH max)
SQ1212V203	1.5	20	260	200
SQ1212V103	1.5	10	230	200
SQ1212H203	1.5	20	260	200
SQ1212H103	1.5	10	230	200

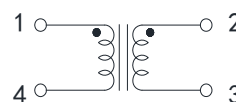
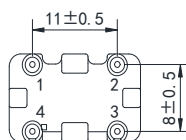
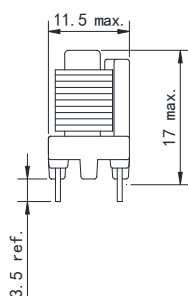
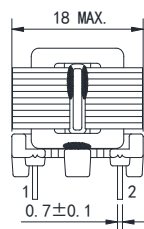
* For RoHS compliant products, a.)The Ordering Code: TG-Model No. ex. TG-SQ1212V203

b.) Solder : Sn/Cu; c.)Date Code suffix to "G"

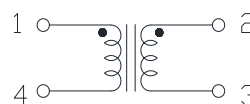
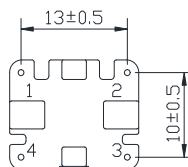
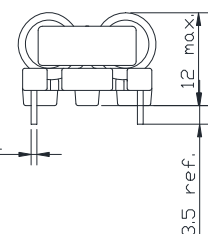
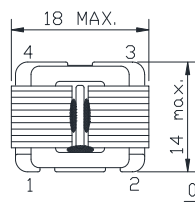
* Inductance test at 1KHz, 0.25V.

DIMENSIONS & SCHEMATICS

V : Vertical type



H : Horizontal type



UNIT : mm

*Specifications are subject to change without prior notice.

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1 OF 9



UNIVERSAL MICROELECTRONICS CO.,LTD.
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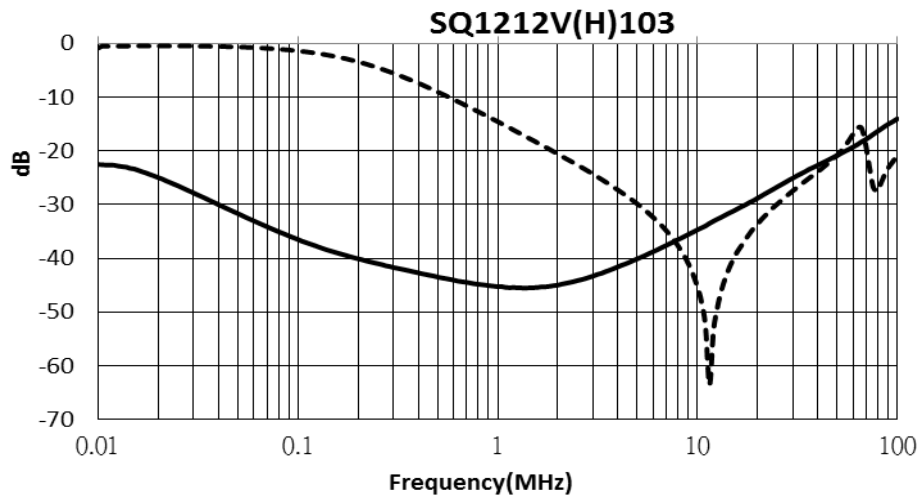
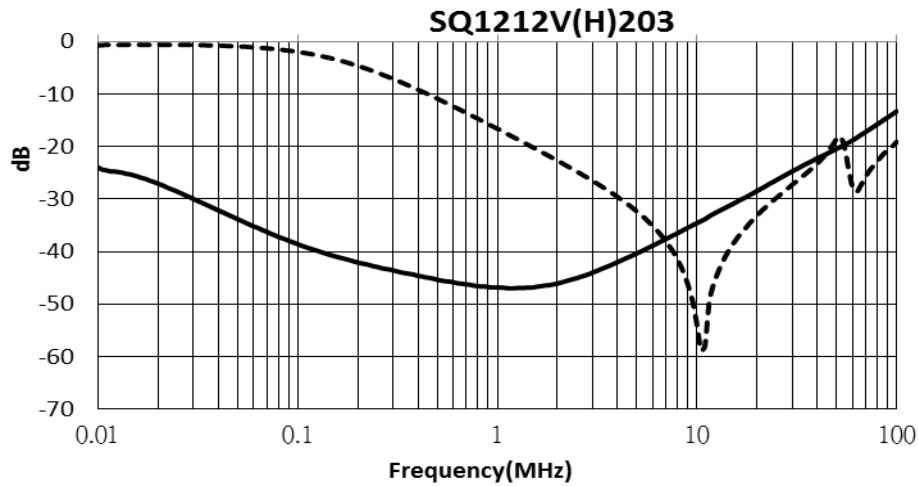
3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding)

Attenuation (typical values at $Z=50\Omega$)

———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)



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TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding)



- Core Size : SQ1515
- Rated Current : 1.5 ~ 2.5A
- Dielectric strength : 2000Vrms
- Rated Voltage 250V AC
- Operating Temperature : -20~120°C
- Application : large current & small size power supply

ELECTRICAL SPECIFICATIONS @25°C

Model No.	I RMS (Amps)	OCL(mH min)	MAX DCR(mΩ)	Inductance Difference(uH max)
SQ1515V203	1.5	20	390	200
SQ1515V103	1.5	10	360	200
SQ1515V852	1.8	8.5	170	200
SQ1515V552	2.5	5.5	115	200
SQ1515H203	1.5	20	390	200
SQ1515H103	1.5	10	360	200
SQ1515H852	1.8	8.5	170	200
SQ1515H552	2.5	5.5	115	200

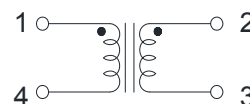
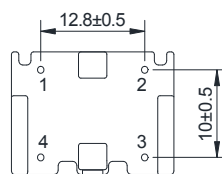
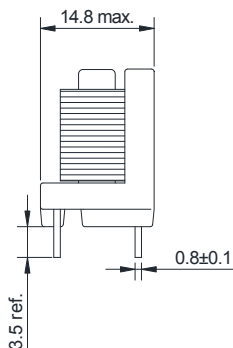
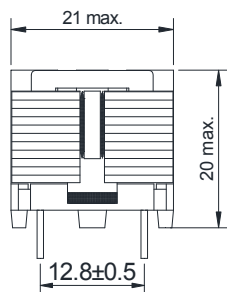
* For RoHS compliant products, a.)The Ordering Code: TG-Model No. ex. TG-SQ1515V203

b.) Solder : Sn/Cu; c.)Date Code suffix to "G"

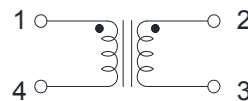
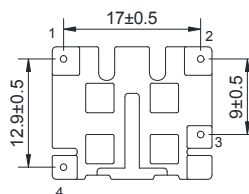
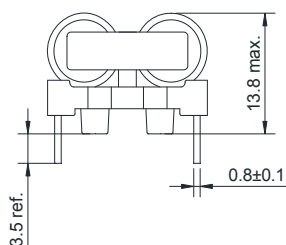
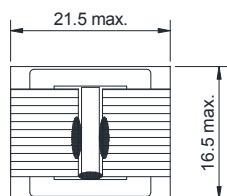
* Inductance test at 1KHz, 0.25V.

DIMENSIONS & SCHEMATICS

V : Vertical type



H : Horizontal type



UNIT : mm

*Specifications are subject to change without prior notice.

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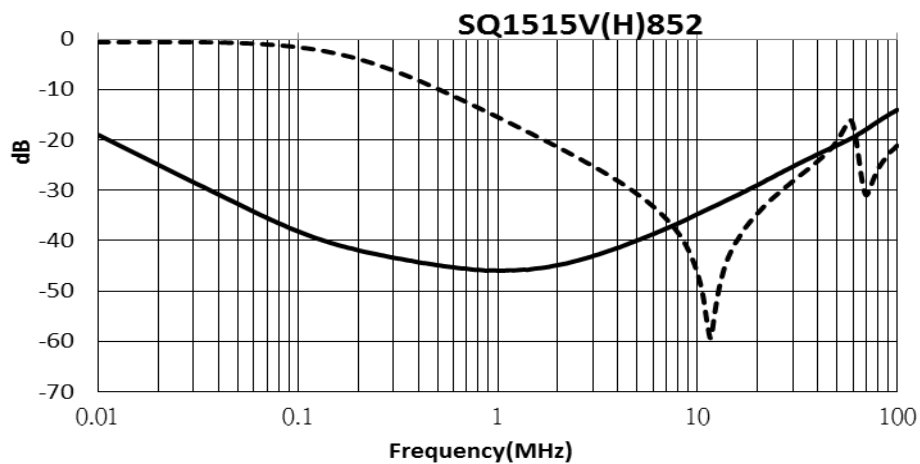
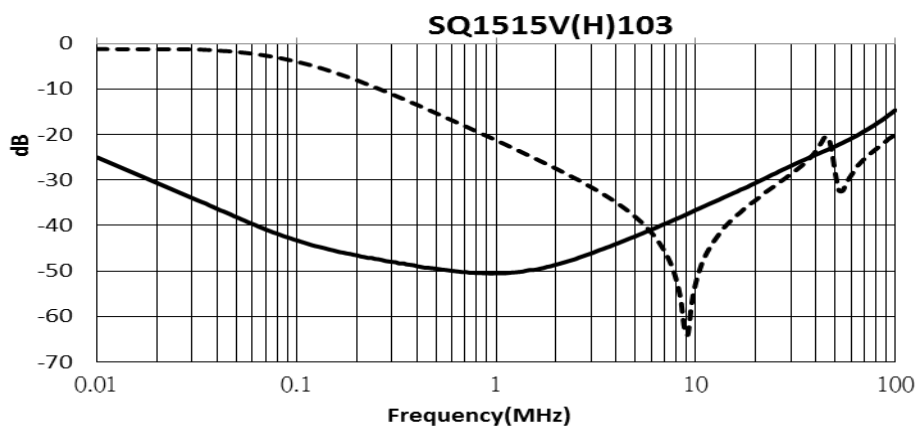
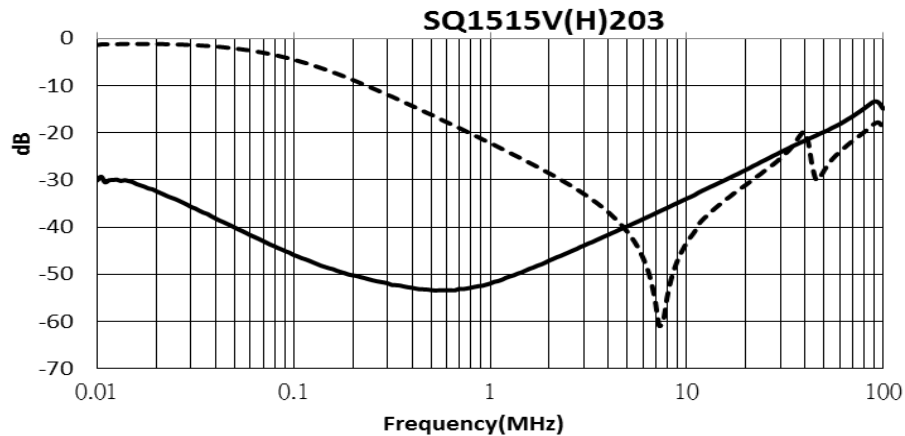
3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding)

Attenuation (typical values at $Z=50\Omega$)

———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)



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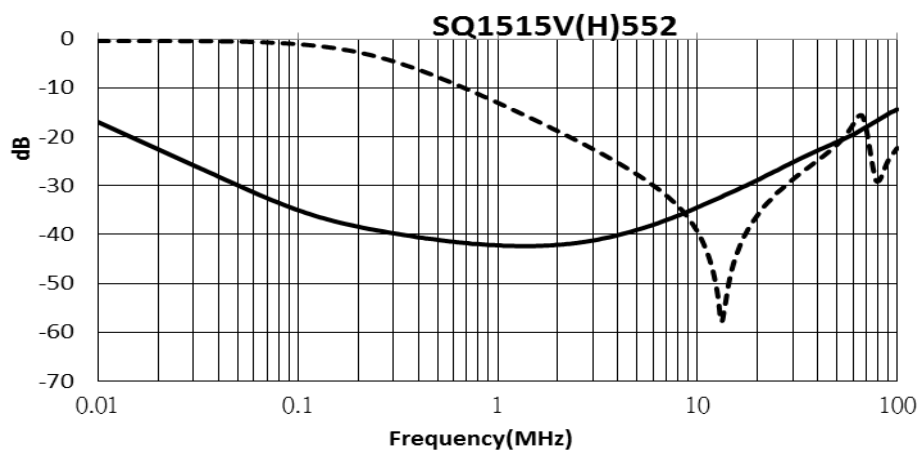
3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding)

Attenuation (typical values at $Z=50\Omega$)

———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)



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3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding)



- Core Size : SQ1918
- Rated Current : 1.0~ 2.5A
- Dielectric strength : 2000Vrms
- Rated Voltage 250V AC
- Operating Temperature : -20~120°C
- Application : large current & small size power supply

ELECTRICAL SPECIFICATIONS @25°C

Model No.	I RMS (Amps)	OCL(mH min)	MAX DCR(mΩ)	Inductance Difference(uH max)
SQ1918V243	1.0	24	460	200
SQ1918V203	1.5	20	230	200
SQ1918V133	2.5	13	150	200
SQ1918H243	1.0	24	460	200
SQ1918H203	1.5	20	230	200
SQ1918H133	2.5	13	150	200

* For RoHS compliant products, a.)The Ordering Code: TG-Model No. ex. TG-SQ1918V243

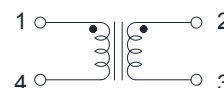
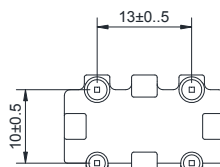
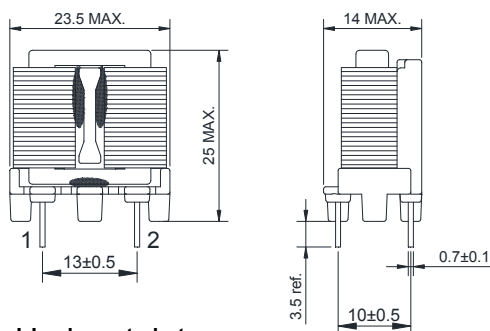
b.) Solder : Sn/Cu; c.)Date Code suffix to "G"

* Inductance test at 1KHz, 0.25V.

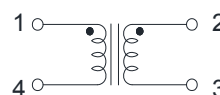
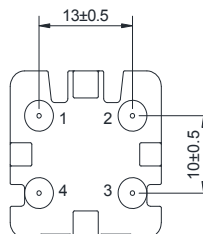
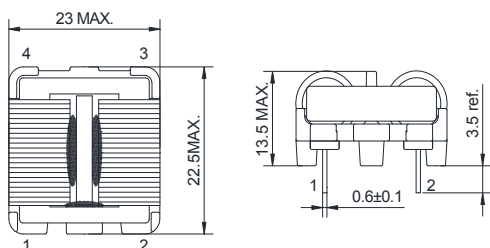


DIMENSIONS & SCHEMATICS

V : Vertical type



H : Horizontal type



UNIT : mm

*Specifications are subject to change without prior notice.

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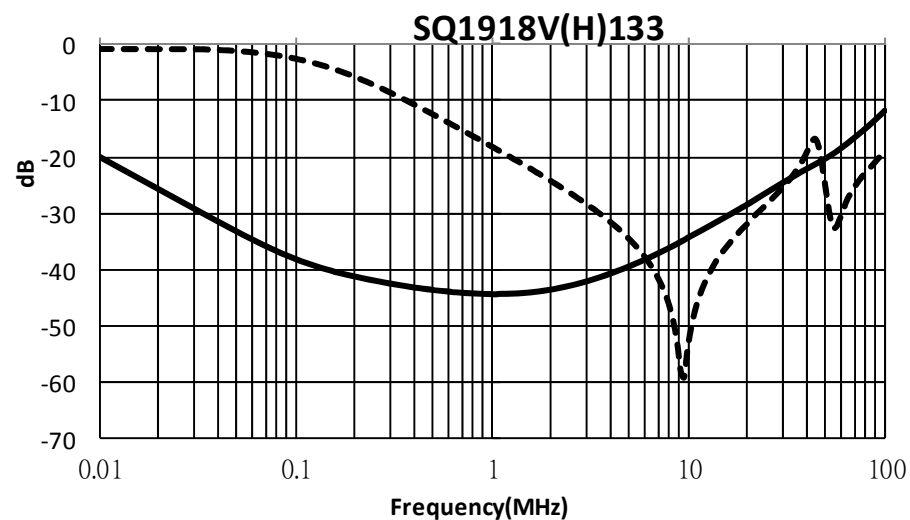
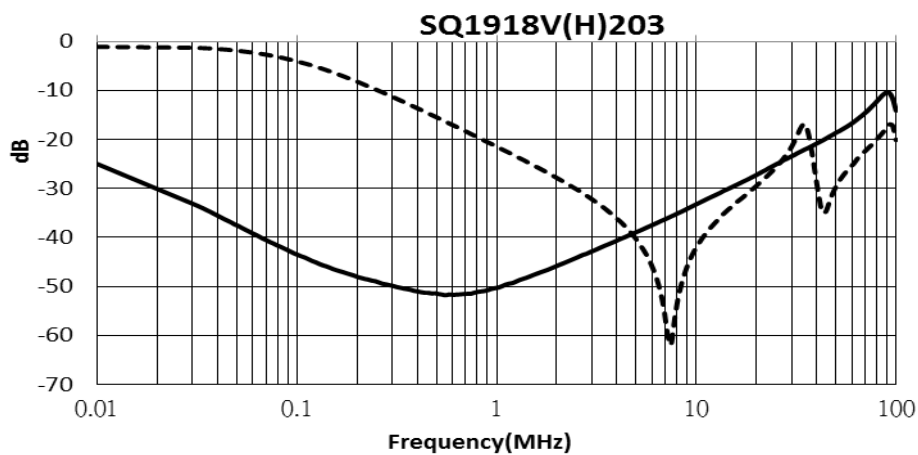
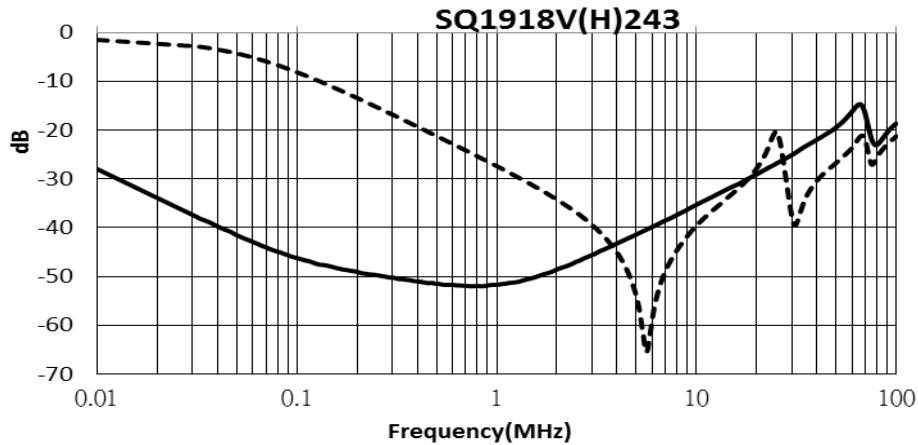
3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding)

Attenuation (typical values at $Z=50\Omega$)

———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)



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3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding)



- Core Size : SQ2418
- Rated Current : 1.7 ~ 5A
- Dielectric strength : 2000Vrms
- Rated Voltage 250V AC
- Operating Temperature : -20~120°C
- Application : large current & small size power supply

ELECTRICAL SPECIFICATIONS @25°C

Model No.	I RMS (Amps)	OCL(mH min)	MAX DCR(mΩ)	Inductance Difference(uH max)
SQ2418V153	1.7	15	210	200
SQ2418V123	2.3	12	140	200
SQ2418V502	5	5	80	200
SQ2418H153	1.7	15	210	200
SQ2418H123	2.3	12	140	200
SQ2418H502	5	5	80	200

* For RoHS compliant products, a.)The Ordering Code: TG-Model No. ex. TG-SQ2418V153

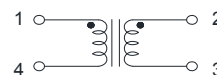
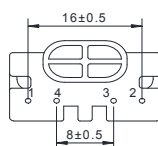
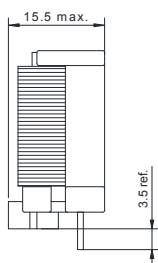
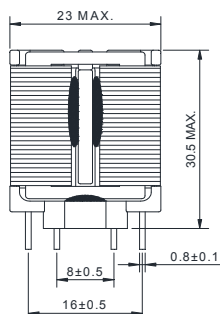
b.) Solder : Sn/Cu; c.)Date Code suffix to "G"

* Inductance test at 1KHz, 0.25V.

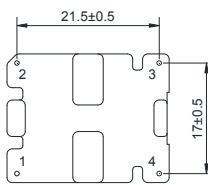
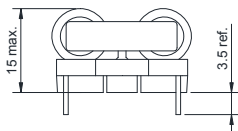
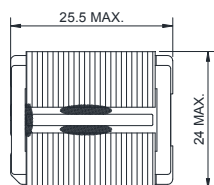


DIMENSIONS & SCHEMATICS

V : Vertical type



H : Horizontal type



UNIT : mm

*Specifications are subject to change without prior notice.

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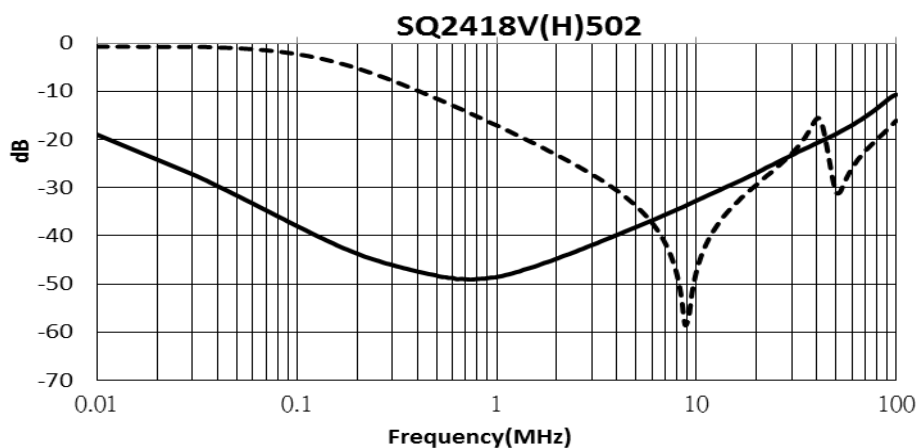
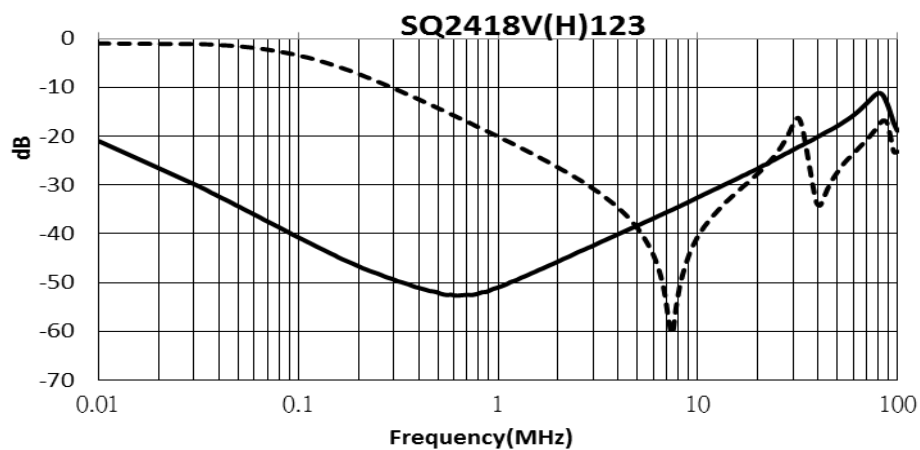
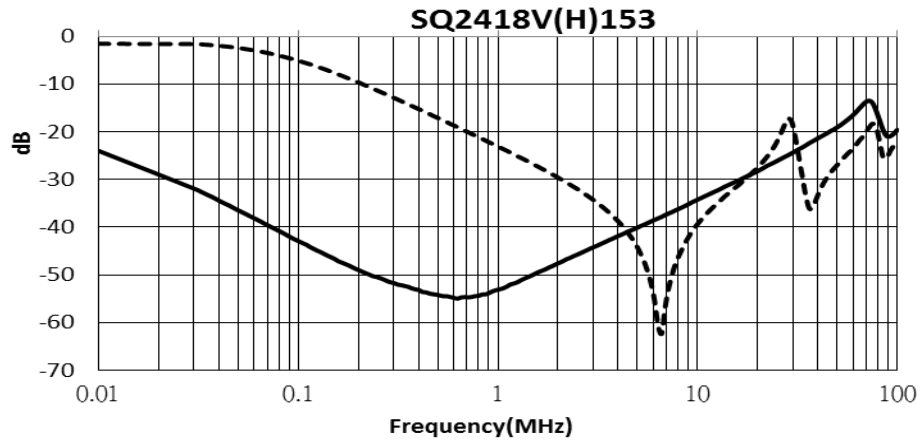
3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding)

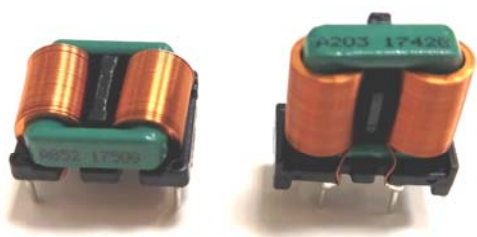
Attenuation (typical values at $Z=50\Omega$)

———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)



COMMON MODE CHOKE (Flat Wire Winding part II)



- Core Size : SQ1515 (with special base)
- Rated Current : 1.5 ~ 2.5A
- Dielectric strength : 2000Vrms
- Rated Voltage 250V AC
- Operating Temperature : -20~120℃
- Application : large current & small size power supply

ELECTRICAL SPECIFICATIONS @25°C

Model No.	I RMS (Amps)	OCL(mH min)	MAX DCR(mΩ)	Inductance Difference(uH max)
SQ1515VA203	1.5	20	390	200
SQ1515VA103	1.5	10	360	200
SQ1515VA852	1.8	8.5	170	200
SQ1515VA552	2.5	5.5	115	200
SQ1515HA203	1.5	20	390	200
SQ1515HA103	1.5	10	360	200
SQ1515HA852	1.8	8.5	170	200
SQ1515HA552	2.5	5.5	115	200

* For RoHS compliant products, a.)The Ordering Code: TG-Model No. ex. TG-SQ1515VA203

b.) Solder : Sn/Cu; c.)Date Code suffix to "G"

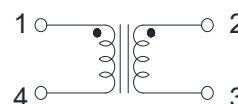
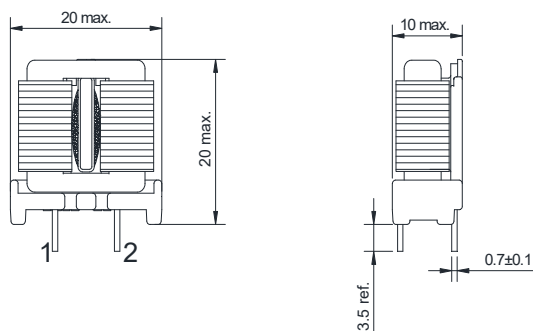
* Inductance test at 1KHz, 0.25V.

Green Product

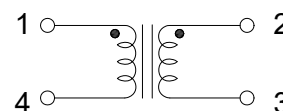
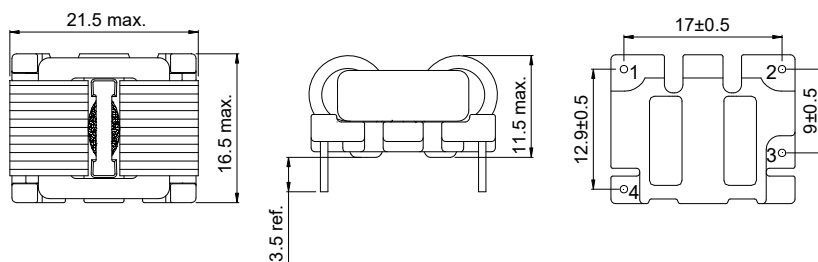


DIMENSIONS & SCHEMATICS

V : Vertical type (*pin pitch as UU9.8 type.)



H : Horizontal type (*height = 11.5max.)



UNIT : mm

*Specifications are subject to change without prior notice.

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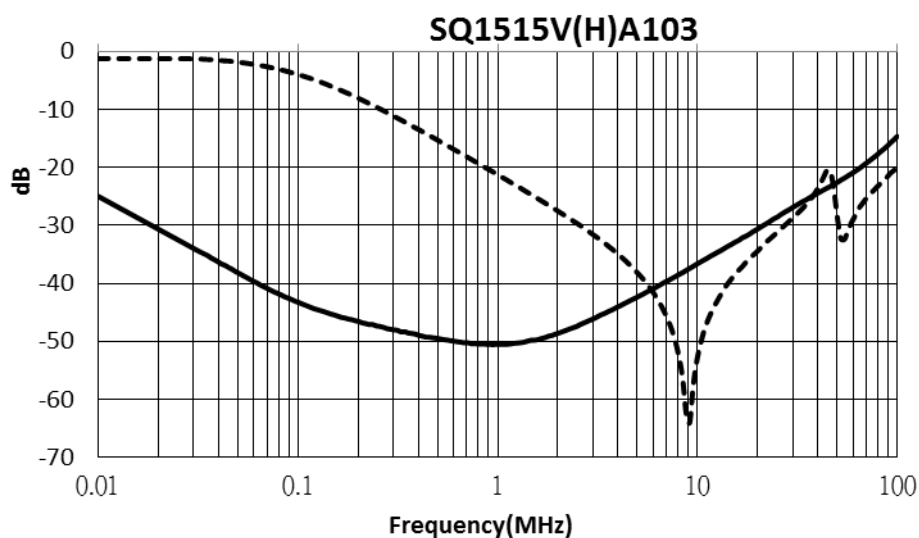
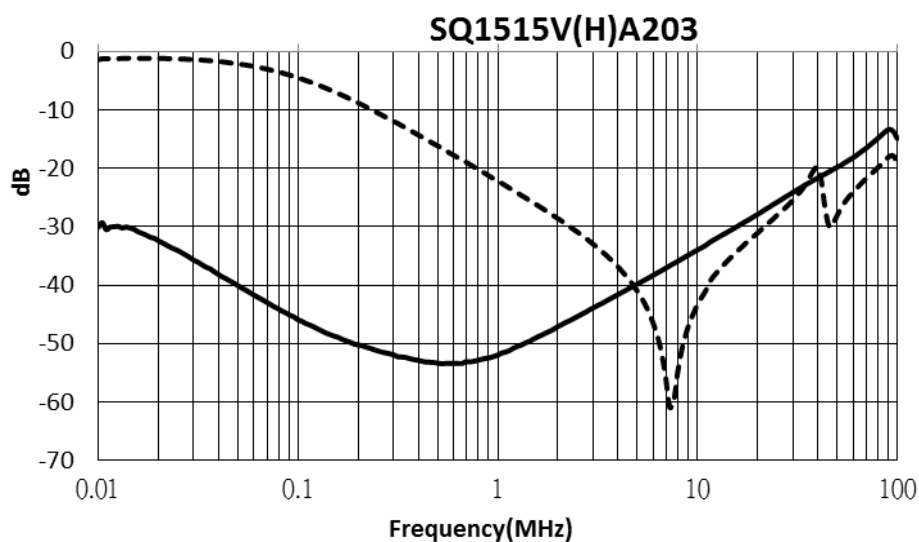
3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding part II)

Attenuation (typical values at $Z=50\Omega$)

———— asymmetrical, all branches in parallel (common mode)

----- symmetrical (differential mode)



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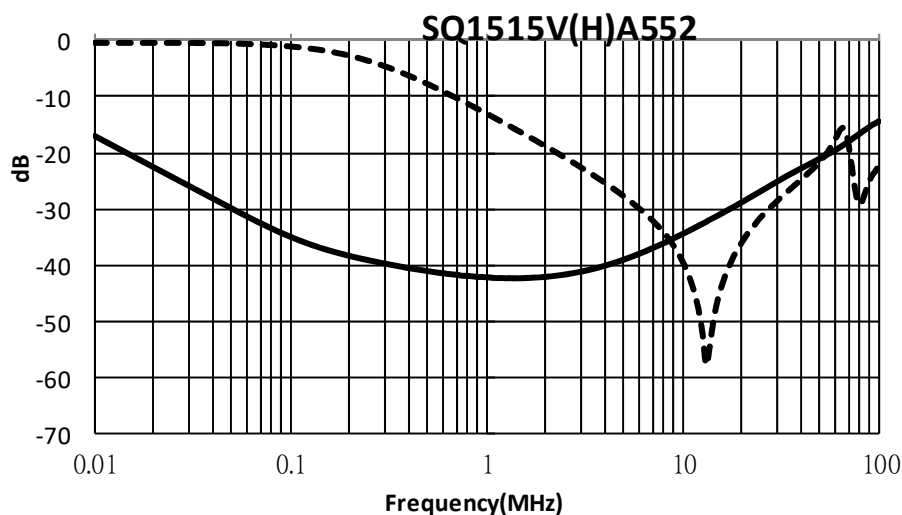
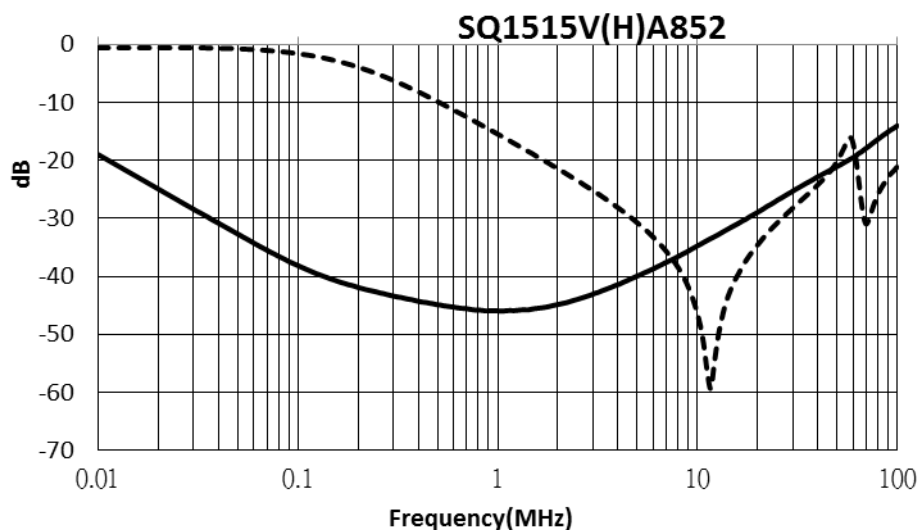
3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding part II)

Attenuation (typical values at $Z=50\Omega$)

———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)



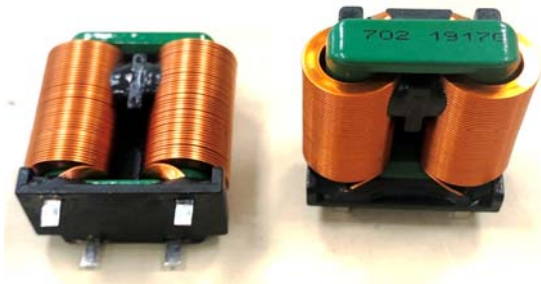
DATA SHEET 10-34 Nov./19
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3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding part II)



- Core Size : SQ2820
- Rated Current : 8~9A
- Dielectric strength : 2000Vrms
- Rated Voltage 250V AC
- Operating Temperature : -20~120°C
- Application : large current & small size power supply

ELECTRICAL SPECIFICATIONS @25°C

Model No.	I RMS (Amps)	OCL(mH min)	MAX DCR(mΩ)	Inductance Difference(uH max)
SQ2820V702	9	7.0	40	200
SQ2820V902	8	9.0	50	200

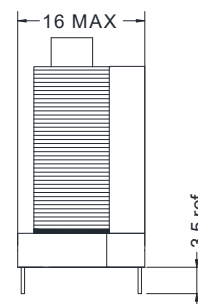
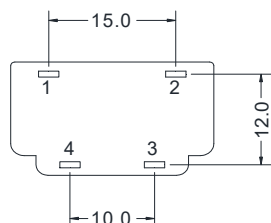
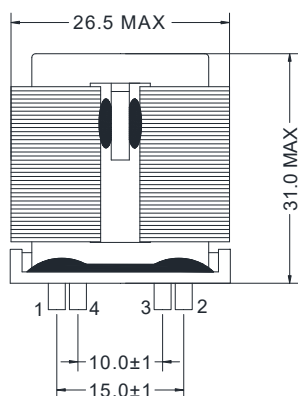
* For RoHS compliant products, a.)The Ordering Code: TG-Model No. ex. TG-SQ2820V702

b.) Solder : Sn/Cu; c.)Date Code suffix to "G"

* Inductance test at 1KHz, 0.25V.



DIMENSIONS & SCHEMATICS



UNIT : mm

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DATA SHEET 10-34 Nov./19
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TEL:886-4-23590096 FAX:886-4-23590129

3,27TH RD.,TAICHUNG INDUSTRIAL PARK,
TAICHUNG,TAIWAN,R.O.C

COMMON MODE CHOKE (Flat Wire Winding part II)

Attenuation (typical values at $Z=50\Omega$)

———— asymmetrical, all branches in parallel (common mode)

- - - - - symmetrical (differential mode)

