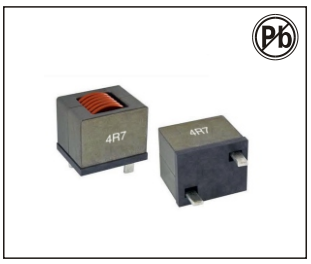
HIGH CURRENT THROUGH-HOLE INDUCTOR

DEP2520 SERIES



APPLCATIONS:

- High current and high temperature applications
- DC/DC converters
- High current motor and switching noise suppression
- Inverters

FEATURES:

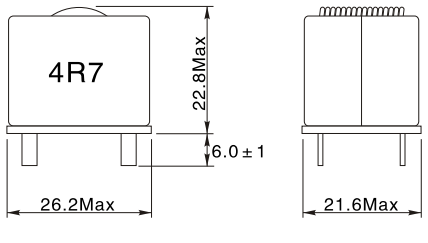
- High temperature operation, up to 180℃ continuous with no aging
- Low DCR to minimize losses and reduce temperature rise
- Powdered iron alloy core technology provides stable inductance and saturation over operating temperature with satisfactory core losses
- Soft saturation gives predictable inductance decrease with increasing DC current independent of temperature
- Standard terminal is stripped and tinned for through hole mounting but other terminal configurations such as bare copper, SMD, and press fit pin are available upon request
- Custom options are available

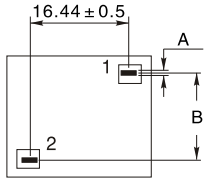
ELECTRICAL CHARACTERISTICS@25℃

Part Number	Inductance (uH) ±20% 100KHz,0.25V	DCR (mΩ)Max	SRF (MHz)Typ	Heat rating current Irms (A)	Saturation current Isat 1 (A)	Saturation current Isat 2 (A)
DEP2520-1R2M	1.2	0.30	90	80	110	150
DEP2520-2R2M	2.2	0.40	45	70	75	110
DEP2520-3R3M	3.3	0.70	25	50	60	90
DEP2520-4R7M	4.7	0.95	15	45	50	70
DEP2520-6R8M	6.8	1.15	10	40	45	60
DEP2520-8R2M	8.2	1.50	9	35	35	50
DEP2520-100M	10	2.00	8	30	30	45

TECHNICAL INFORMATION & WINDING

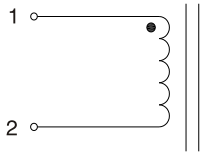
Dimensions(mm)





Part Number	A	B
DEP2520-1R2M	3.2	10.14
DEP2520-2R2M	2.5	10.84
DEP2520-3R3M	2.0	11.34
DEP2520-4R7M	1.8	11.54
DEP2520-6R8M	1.6	11.74
DEP2520-8R2M	1.4	11.94
DEP2520-100M	1.1	12.24

Winding

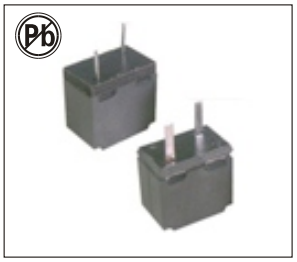


Note:
- All test data is referenced to 25℃ ambient
- Operating temperature range -40℃ to +180℃
- The part temperature (ambient + temp. rise) should not exceed 180℃ Cunder worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application
- Isolation voltage, coil to core: 350 VDC, 60s, 5 mA max.
- Heat Rated Current (Irms) will cause the coil temperature rise approximately, △T=40℃ without core loss.
- Saturation Current (Isat 1) will cause L0 to drop approximately 20%
- Saturation Current (Isat 2) will cause L0 to drop approximately 30%

Note:All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1010A,1010B SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

APPLICATIONS:

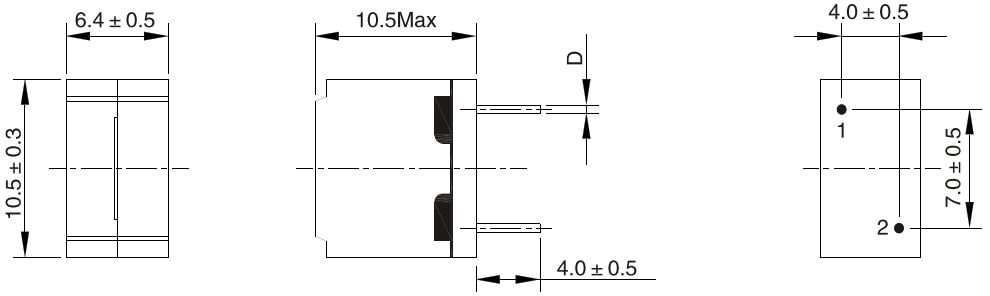
- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

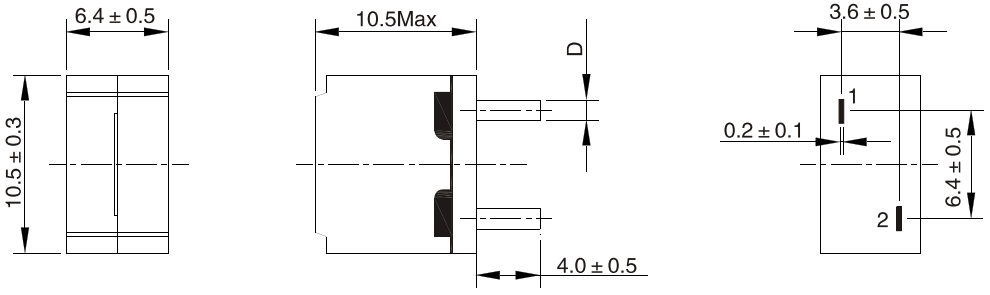
Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm
HDA1010A–100M	10	18.0	7.5	5.0	0.6
HDA1010A–120M	12	25.0	6.0	4.8	0.5
HDA1010A–150M	15	30.0	5.3	4.5	0.45
HDA1010A–180M	18	35.0	4.8	4.5	0.45
HDA1010A–220M	22	45.0	4.3	4.0	0.4
HDA1010B–100M	10	18.0	7.5	5.5	1.2
HDA1010B–120M	12	20.0	6.0	5.0	1.2
HDA1010B–150M	15	23.0	5.3	4.8	1.2

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

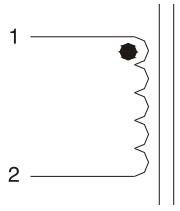
HDA1010A



HDA1010B



Winding



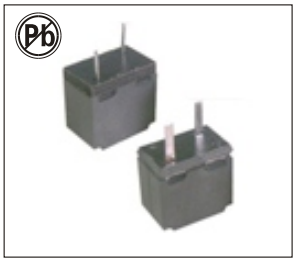
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1010AG SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

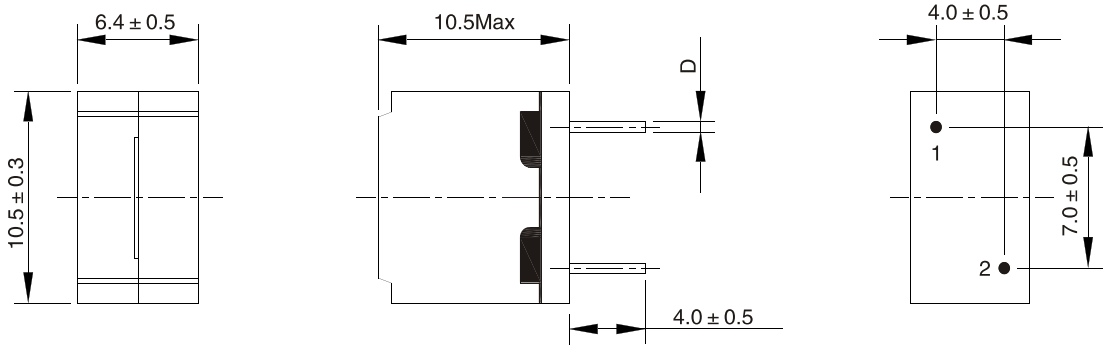
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

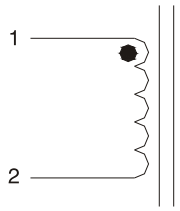
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm
HDA1010AG–100M	10	20.5	7.5	4.5	0.6
HDA1010AG–120M	12	20.5	6.5	4.5	0.6
HDA1010AG–150M	15	20.5	5.0	4.5	0.6
HDA1010AG–220M	22	20.5	3.5	4.5	0.6
HDA1010AG–330M	33	20.5	2.0	4.5	0.6

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Winding



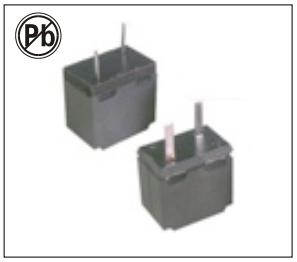
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1315B SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

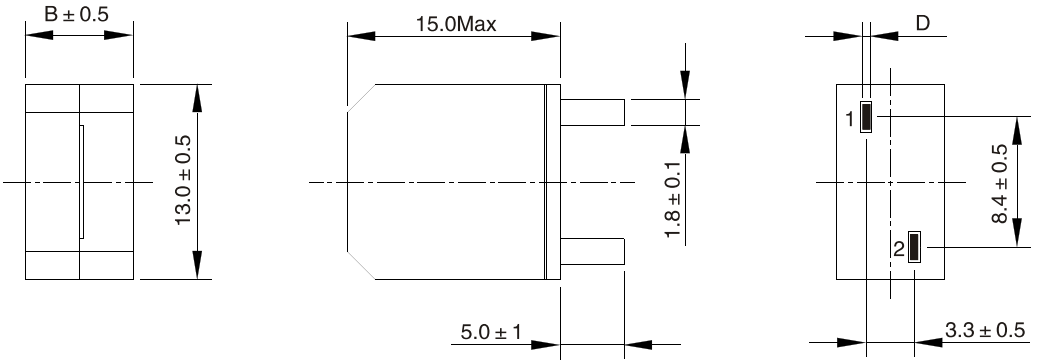
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

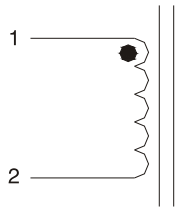
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	B mm	D mm
HDA1315B–100M	10	5.6	7.0	8.5	8.4	0.5
HDA1315B–120M	12	6.5	6.6	8.0	8.4	0.5
HDA1315B–150M	15	7.2	5.5	7.5	8.4	0.5
HDA1315B–220M	22	9.0	5.2	7.0	8.4	0.4
HDA1315B–270M	27	15.0	4.0	6.0	8.4	0.33
HDA1315B–330M	33	16.0	3.8	5.5	8.4	0.33

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Winding



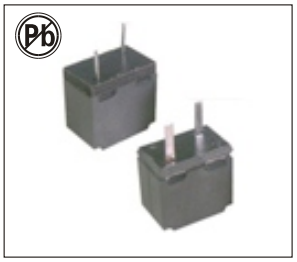
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1315E SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

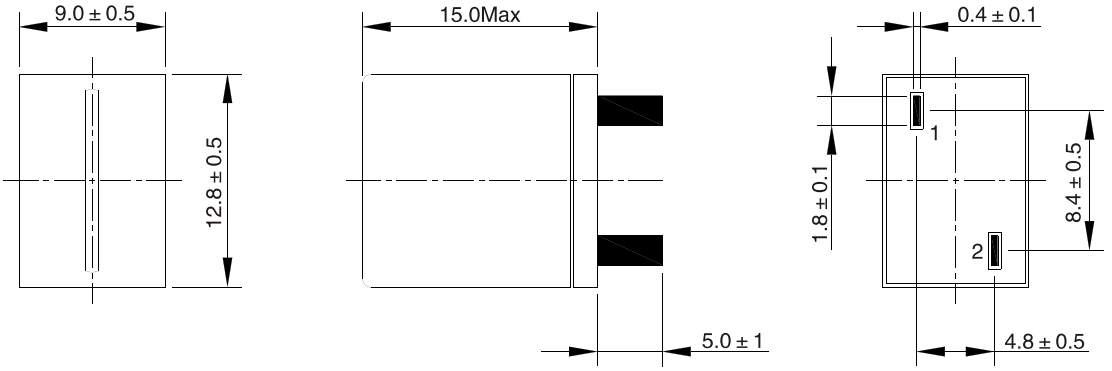
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

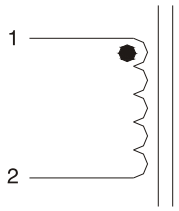
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max
HDA1315E–100M	10	10.0	11.0	7.5
HDA1315E–150M	15	12.0	9.5	7.0
HDA1315E–220M	22	12.0	5.2	7.0
HDA1315E–330M	33	12.0	3.5	7.0

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Winding



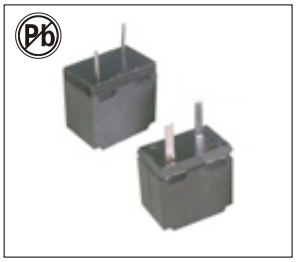
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1416A SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

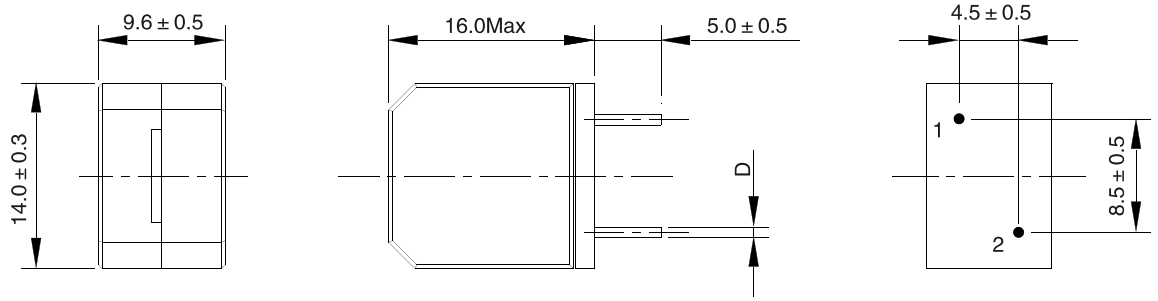
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

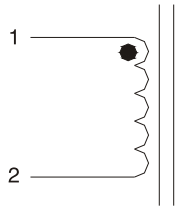
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm
HDA1416A–100M	10	15.0	11.5	7.0	0.8
HDA1416A–150M	15	18.0	10.0	6.0	0.8
HDA1416A–220M	22	20.0	8.0	5.5	0.7
HDA1416A–330M	33	28.0	5.5	5.0	0.65

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Winding



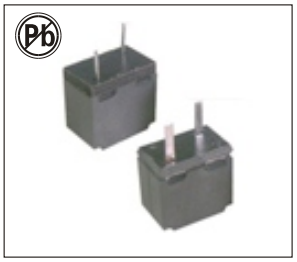
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1416B SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

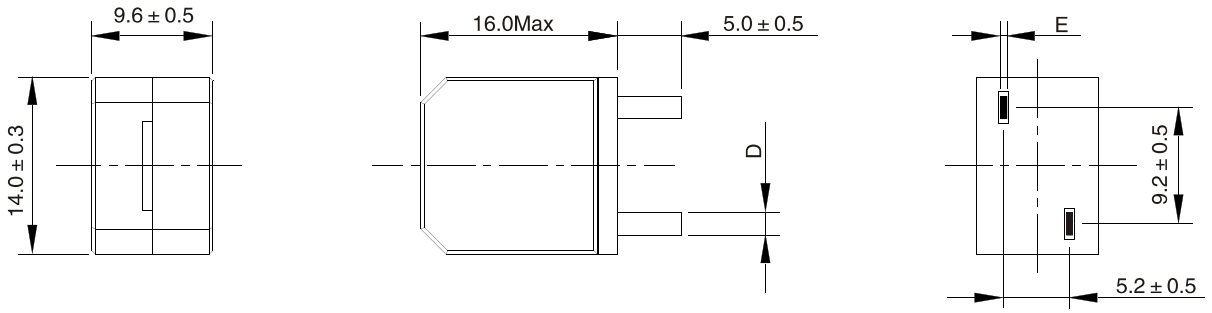
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm	E mm
HDA1416B–100M	10	6.5	9.0	8	1.8	0.5
HDA1416B–120M	12	6.5	8.5	8	1.8	0.5
HDA1416B–150M	15	7.0	7.5	7.5	1.8	0.5
HDA1416B–220M	22	12.0	6.5	7	1.8	0.43
HDA1416B–330M	33	15.0	6	6	1.8	0.35
HDA1416B–470M	47	20.0	6	5	1.8	0.30

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



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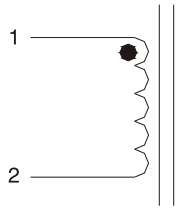


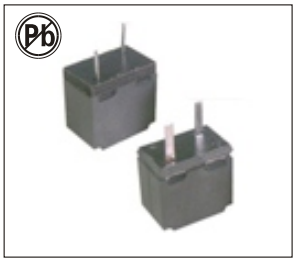
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1416C SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

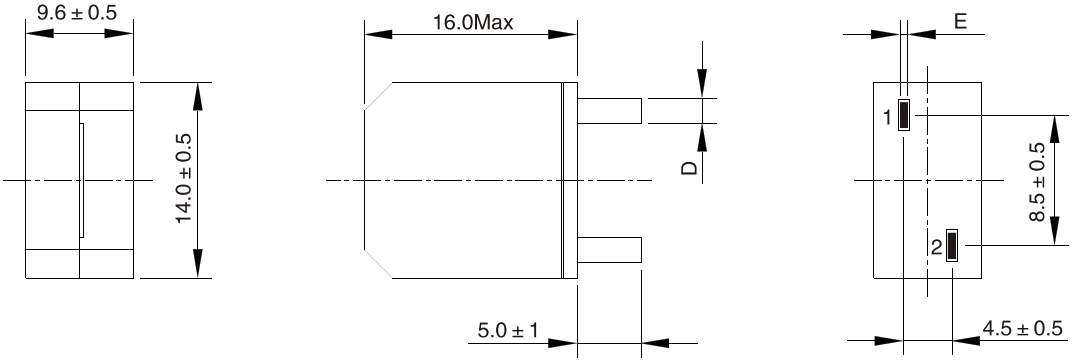
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm	E mm
HDA1416C–100M	10	15.0	15	7	1.8	0.35
HDA1416C–120M	12	16.0	13	7	1.8	0.35
HDA1416C–150M	15	12.0	11	8	1.8	0.43
HDA1416C–220M	22	16.0	10	7	1.8	0.35
HDA1416C–270M	27	20.0	9	5	1.8	0.30

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



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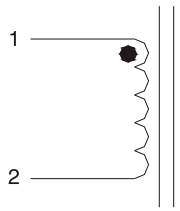


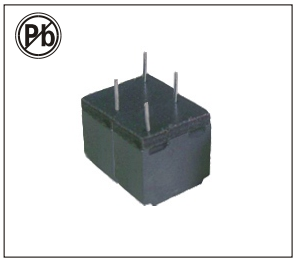
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1416D SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

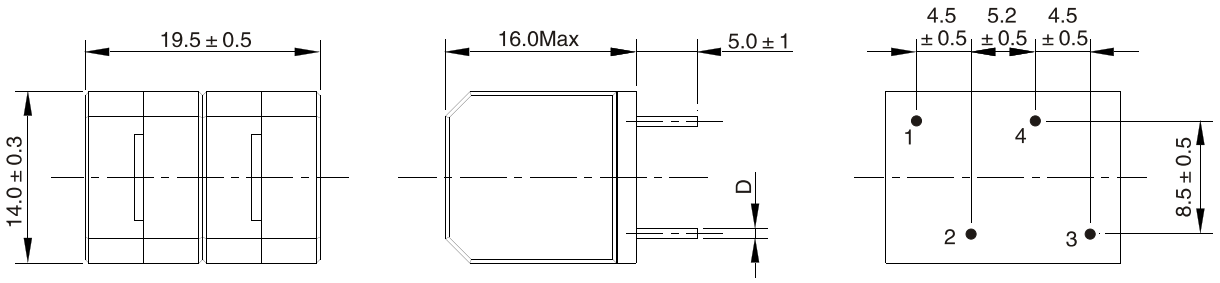
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

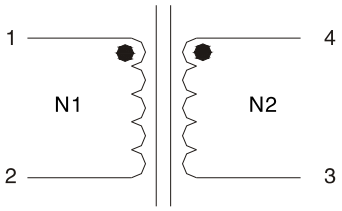
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm
HDA1416D–100M	10	15.0	11.5	7.0	0.8
HDA1416D–150M	15	18.0	10.0	6.0	0.8
HDA1416D–220M	22	20.0	8.0	5.5	0.7
HDA1416D–330M	33	28.0	5.5	5.0	0.65

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Winding



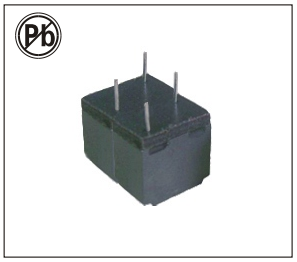
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1516 SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

APPLICATIONS:

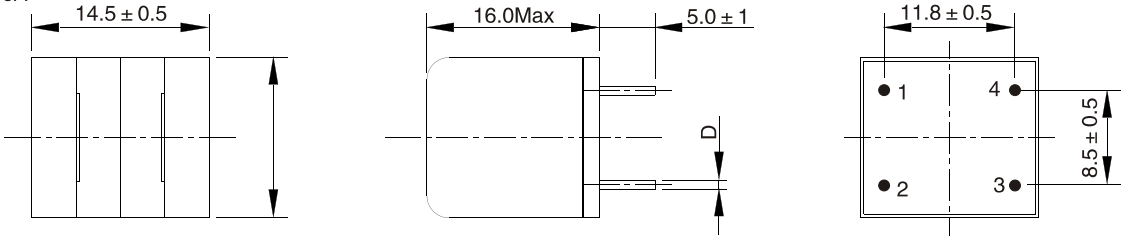
- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

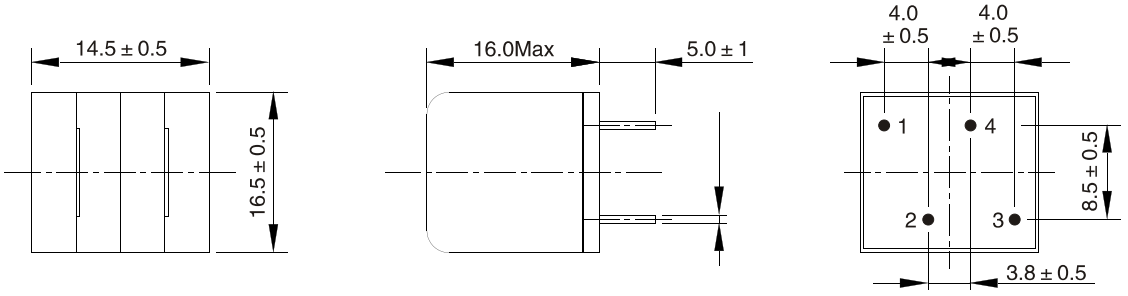
Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm
HDA1516A–100M	10	11.0	11.0	7.0	0.8
HDA1516A–150M	15	16.5	8.4	5.4	0.7
HDA1516A–220M	22	18.0	6.2	5.1	0.7
HDA1516A–330M	33	22.0	5.5	4.5	0.6
HDA1516B–100M	10	11.0	11.0	7.0	0.8

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

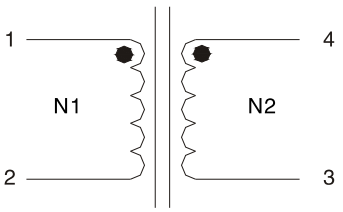
HDA1516A



HDA1516B



Winding



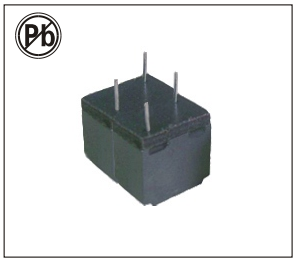
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1521A SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

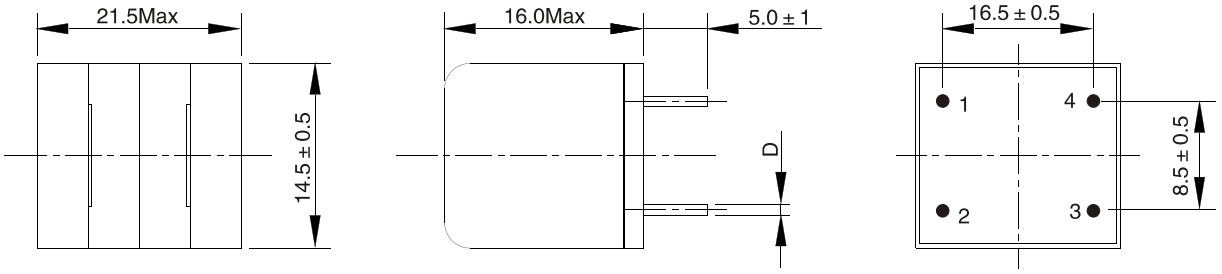
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm
HDA1521A–100M	10	11.0	14.0	7.7	0.9
HDA1521A–150M	15	16.0	12.5	6.4	0.8
HDA1521A–220M	22	26.0	10.0	5.5	0.7
HDA1521A–330M	33	33.0	8.5	5.0	0.7

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



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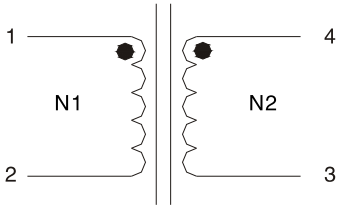


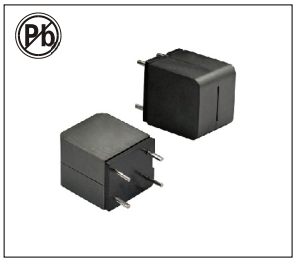
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1719A,1719B SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

APPLICATIONS:

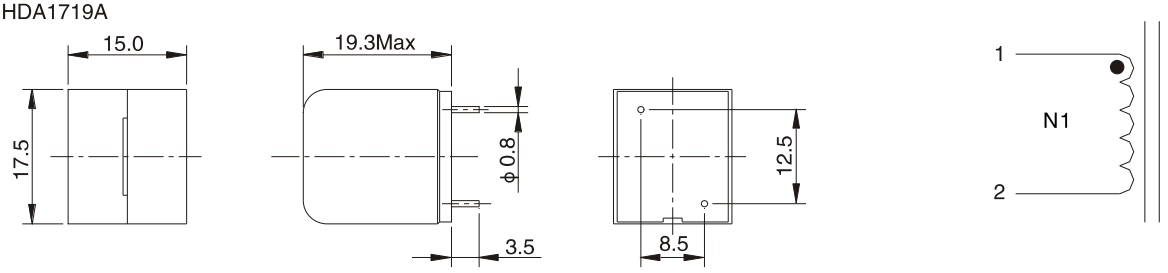
- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

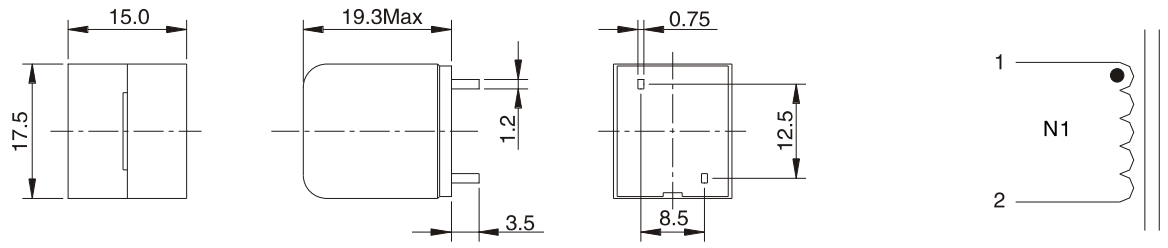
Part Number	Inductance L uH ± 25%	DCR mΩ ± 15%	Rated current A Max	Allowable current A Max
HDA1719A–100Y	10	7.0	22.0	10.0
HDA1719A–150Y	15	7.8	18.0	9.0
HDA1719A–220Y	22	15.0	14.0	6.5
HDA1719A–330Y	33	22.8	120	6.0
HDA1719A–470Y	47	34.0	8.0	5.0
HDA1719B–100Y	10	7.0	22.0	12.0
HDA1719B–150Y	15	7.8	18.0	11.0
HDA1719B–220Y	22	9.6	14.0	8.5
HDA1719B–330Y	33	11.3	12.0	8.0

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

HDA1719A



HDA1719B



Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Electrical specifications at 25℃
3. All products are RoHS–compliant
4. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA1931A SERIES

FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

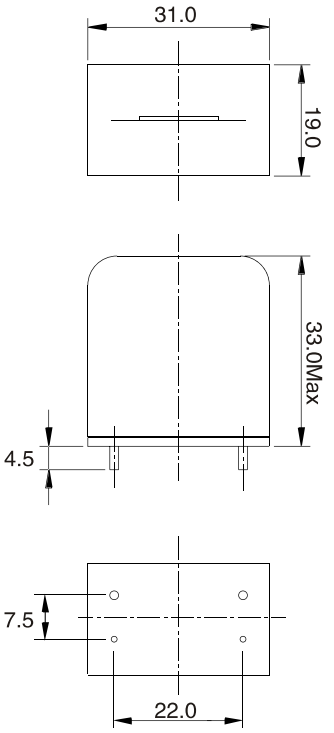
APPLICATIONS:

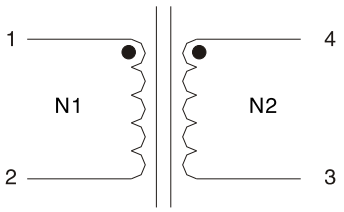
- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ ± 15%	Rated current A Max	Allowable current A Max
HDA1931A–100M	10	4.0	50	18
HDA1931A–150M	15	4.5	40	15
HDA1931A–220M	22	5.6	31	12
HDA1931A–330M	33	8.2	25	10

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS





Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Electrical specifications at 25℃
3. All products are RoHS–compliant
4. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA2023A SERIES

FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

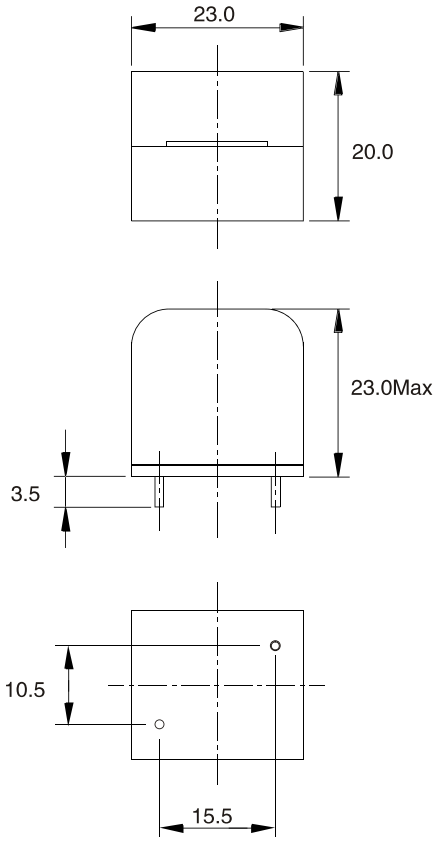
APPLICATIONS:

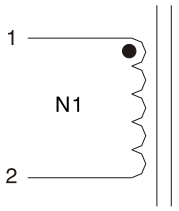
- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ ± 15%	Rated current A Max	Allowable current A Max
HDA2023A–100M	10	8.0	36	12
HDA2023A–220M	22	8.0	18.5	10
HDA2023A–330M	33	8.0	12	10

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS





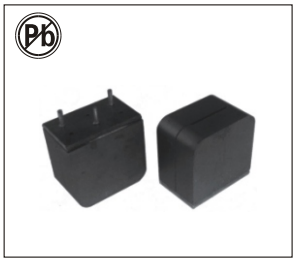
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Electrical specifications at 25℃
3. All products are RoHS–compliant
4. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA2023B SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

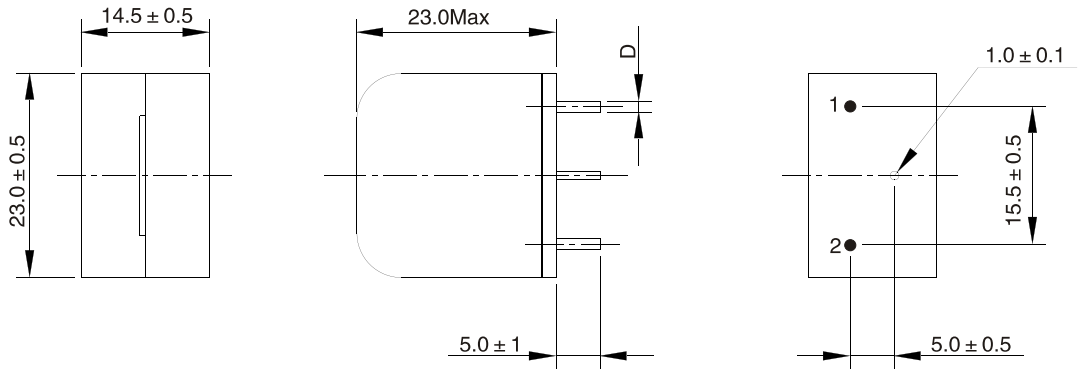
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat A Max	Irms A Max	D mm
HDA2023B–100M	10	8.3	31.5	9.1	1.2
HDA2023B–120M	12	8.3	26.0	9.1	1.2
HDA2023B–150M	15	9.1	23.5	8.7	1.2
HDA2023B–180M	18	8.3	17.5	9.1	1.2
HDA2023B–220M	22	9.1	16.5	8.7	1.2
HDA2023B–330M	33	12.0	11.0	8.0	1.1

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



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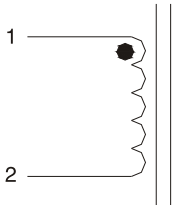


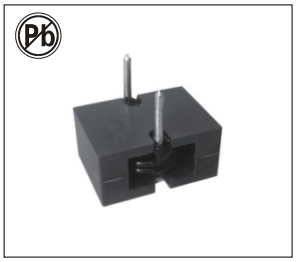
Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDA3718H SERIES



FEATURES:

- Compact size using flat wire,DIP type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Wide frequency range: ~1MHz

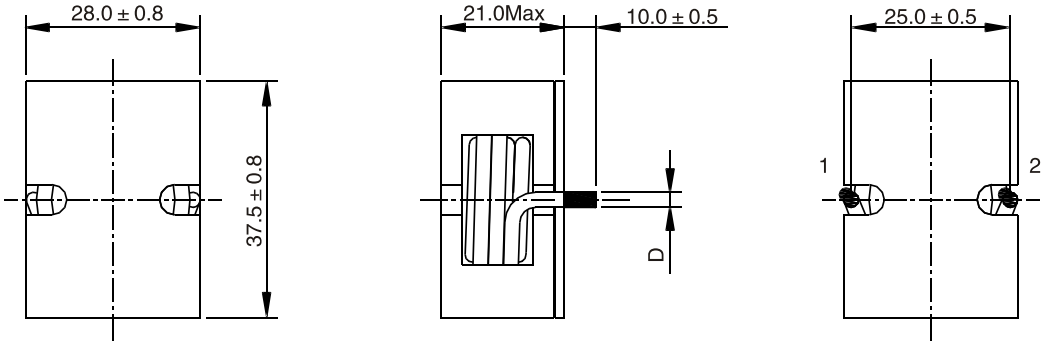
APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ ± 25%	Rated DC Current A Max	Allowable Current A Max	D mm
HDA3718H–100M	10				2.4
HDA3718H–150M	15				2.2
HDA3718H–220M	22				2.0
HDA3718H–330M	33				1.8

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



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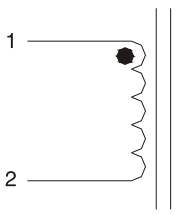


Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Measurement Frequency for Inductance: 1kHz,1V.
3. Electrical specifications at 25℃
4. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
5. Storage temperature: –25℃ to +85℃
6. All products are RoHS–compliant
7. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDAS0910 SERIES

FEATURES:

- Compact size using flat wire,SMD type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Space reduction is realized by 2 in 1 construction

APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

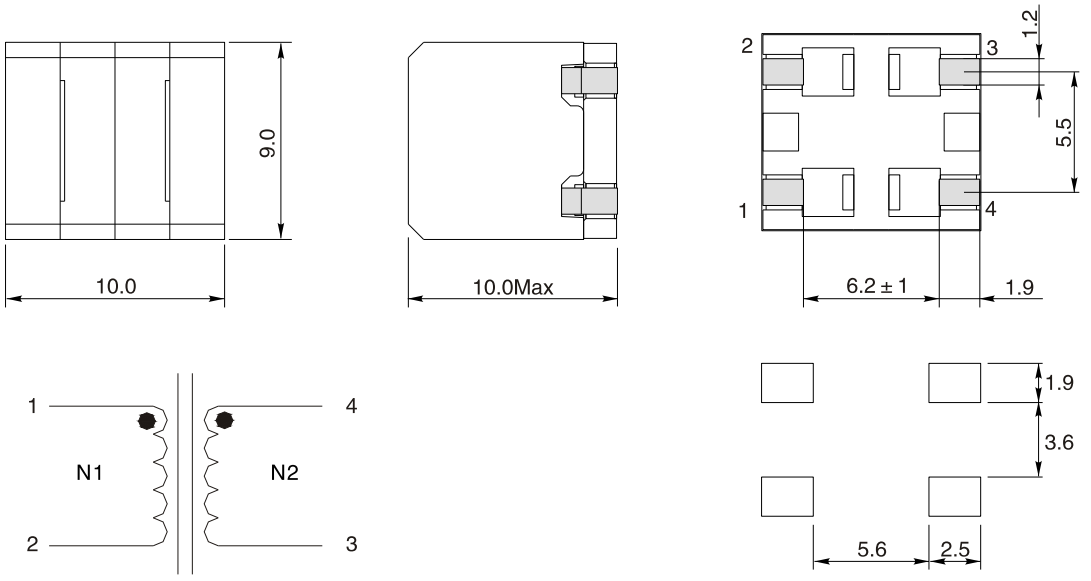
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 20%	DCR mΩ Max	Isat Adc	Irms Adc
HDAS0910–100M	10	22	5.0	3.9
HDAS0910–120M	12	25	4.3	3.4
HDAS0910–150M	15	44	4.1	2.8
HDAS0910–220M	22	52	3.2	2.5

Note:

1. Measurement Frequency for Inductance: 1kHz,1V.
2. Isat: Inductance drift is within –25% at the DC superimposed.
3. Irms: A rise in temperature of core surface is within 40℃.

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Electrical specifications at 25℃
3. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
4. Storage temperature: –25℃ to +85℃
3. All products are RoHS–compliant
4. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTOR FOR DIGITAL AMPLIFIER

HDAS1010 SERIES

FEATURES:

- Compact size using flat wire,SMD type
- Low radiation noise by magnetically shielded construction
- Super high current, Low resistance
- The optimal design realizes high quality sound and low distortion
- Space reduction is realized by 2 in 1 construction

APPLICATIONS:

- Suitable as choke for digital amp
- Car audio
- LCD and PDP TV
- 5.1ch Home theater

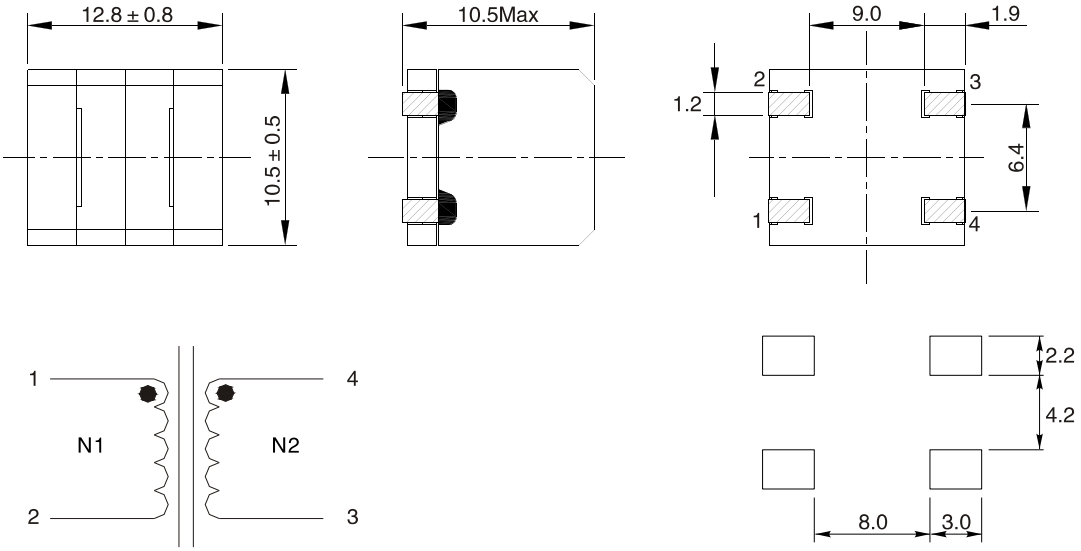
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L uH ± 25%	DCR mΩ Max	Rated DC Current A Max	Allowable Current A Max
HDAS1010–100Y	10	18	7.1	4.2
HDAS1010–120Y	12	20	6.0	4.0
HDAS1010–150Y	15	23	5.3	3.8
HDAS1010–220Y	22	38	4.3	3.5

Note:

1. Measurement Frequency for Inductance: 1kHz,1V.
2. Isat: Inductance drift is within –25% at the DC superimposed.
3. Irms: A rise in temperature of core surface is within 40℃.

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



Note:

1. Measuring instrument: 3260B+3265B,CH502BC.
2. Electrical specifications at 25℃
3. Operating temperature: –40℃ to +130℃(Include temp. Rise 40℃)
4. Storage temperature: –25℃ to +85℃
3. All products are RoHS–compliant
4. Meets UL 94V–0

All specifications subject to change without notice.

POWER INDUCTORS FOR CLASS-D AMPLIFIER

HDE1219,1623 SERIES

FEATURES:

- Exceelent weldability and resistancd
- Low radiation noise by special magnetically sheilded structrue
- Low resistance,high current
- Wide frequency range
- The optimal design realizes high quality sound and low distortion

APPLICATIONS:

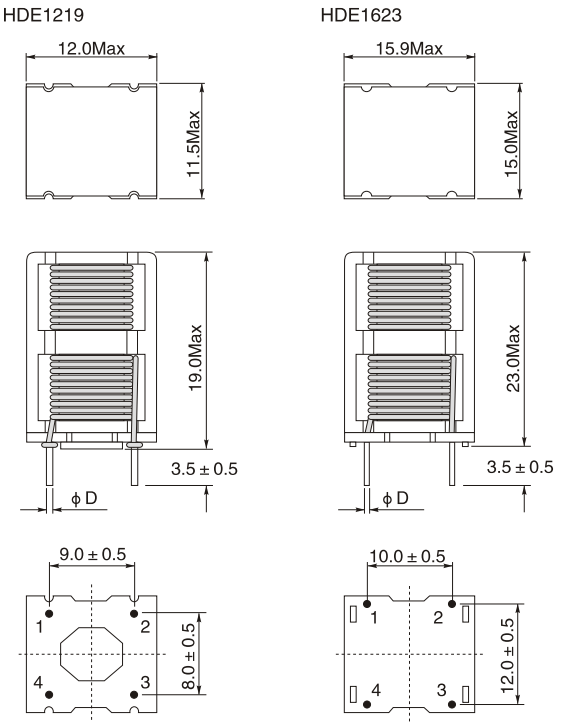
- Suitable as choke digit al amp,Car audio,LCD and PDP TV, 5.1ch Home theater,etc.

ELECTRICAL CHARACTERISTICS:

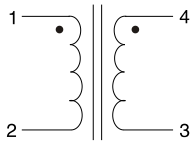
Part Number	Inductance (μH) ± 20%	Heat rating current DC Amps IDC(A)	Saturation current DC Amps Isat(A)	DCR Typ. (mΩ)	DCR Max. (mΩ).	ϕ D
HDE1219-100M	10.0	3.5	8.0	27.6	37.0	0.7
HDE1219-160M	15.0	2.7	6.0	32.2	46.0	0.7
HDE1219-220M	20.0	2.4	5.0	45.4	60.0	0.7
HDE1623-100M	10.0	6.4	15.0	9.0	12.0	0.9
HDE1623-150M	15.0	5.2	11.0	17.6	22.6	0.7
HDE1623-220M	22.0	3.8	10.0	22.7	31.0	0.65

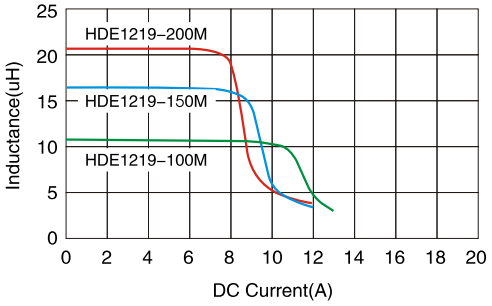
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

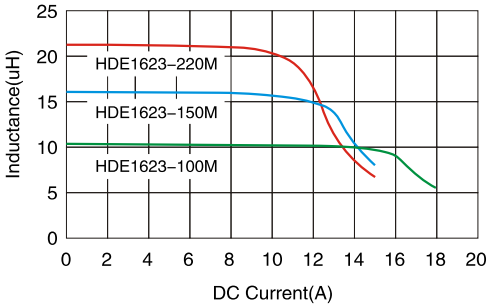
Dimensions(mm)



Winding







- Test Frequency : 100KHz / 0.25Vdc@25℃
- Heat Rated Current (Irms) will cause the coil temperature rise
- Heat rating current : A rise in temperature of core surface is within 40℃
- DC saturation allowable current: Value of inductance decrease within -25%
- Operating Temperature & Storage Temperature: -25℃~105℃