

SMD shielded Power Inductors -WDRH Series



WDRH Series



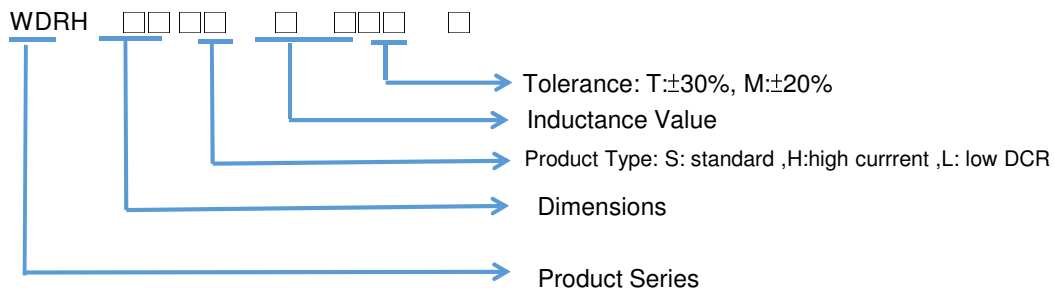
Description:

- RoHS, Halogen Free and REACH Compliance
- Magnetic shielded
- Various package size and wide inductance range

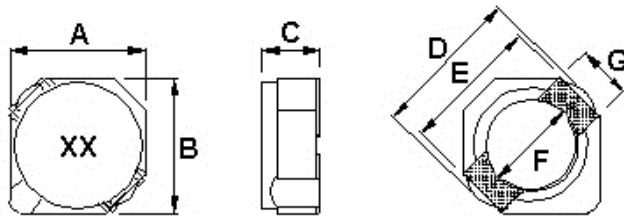
Applications:

- AP Routers
- STBs
- LCD TVs and monitors
- Game consoles
- LED lightings
- DC/DC converters

Product Identification



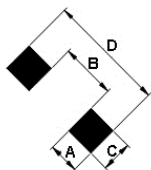
Dimensions-mm



Dimensions-mm

TYPE	A	B	C	D	E	F	G
WDRH2D18H	3.2Max	3.2Max	2.0Max	4.5Max	3.3	2.1	1.0

Recommended Pad Layout



Dimensions-mm

TYPE	A	B	C	D
WDRH2D18H	1.3	1.7	1.3	4.3

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Electrical Characteristics

Part No.	Inductance (μ H)	Test Freq.	RDC (Ω)Max.	Isat(A) Max(Typ)	Irms (A)Typ.	Tolerance (\pm %)
WDRH2D18H1R5T	1.5	100kHz,1V	0.05	1.90(2.40)	2.2	30
WDRH2D18H1R7T	1.7	100kHz,1V	0.05	1.85(2.40)	2.2	20,30
WDRH2D18H2R2T	2.2	100kHz,1V	0.06	1.60(2.30)	1.9	20,30
WDRH2D18H3R3T	3.3	100kHz,1V	0.097	1.45(1.80)	1.55	20,30
WDRH2D18H4R7T	4.7	100kHz,1V	0.14	1.00(1.50)	1.2	20,30
WDRH2D18H6R3T	6.3	100kHz,1V	0.18	0.96(1.30)	1.15	20,30
WDRH2D18H6R8T	6.8	100kHz,1V	0.195	0.95(1.20)	1.1	20,30
WDRH2D18H100M	10	100kHz,1V	0.285	0.85(1.00)	0.9	20,30
WDRH2D18H150M	15	100kHz,1V	0.41	0.67(0.83)	0.64	20,30
WDRH2D18H220M	22	100kHz,1V	0.65	0.50(0.67)	0.6	20,30

Notes:

1.tolerance K= \pm 10% / M= \pm 20%/ T= \pm 30%

2.All test data is referenced to 25°C ambient.

3.Operating temperature range $-30^{\circ}\text{C} \sim 100^{\circ}\text{C}$ (Including self - temperature rise)

4.Isat for Inductance drop 35% from its value without current.

5.Irms for a 40°C temperature rise from 25°C ambient.

5. Measure Equipment :

L : Agilent/ E4980 or HP4284A (under 1MHz), HP4285A (over 1MHz)

RDC : Chroma 16502

Isat : HP4284+42841A or WK3260B+WK3265B

6.Test Condition:

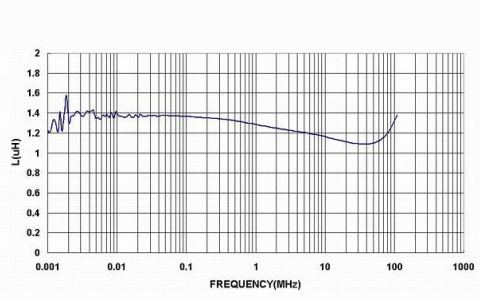
Temperature:26 \pm 3°C

Humidity:<70% RH

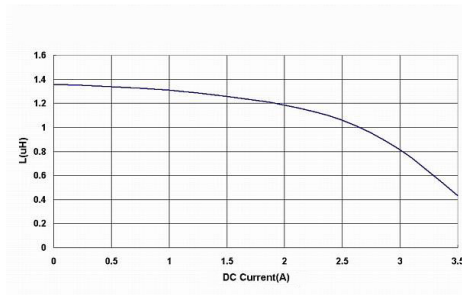
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Curve:

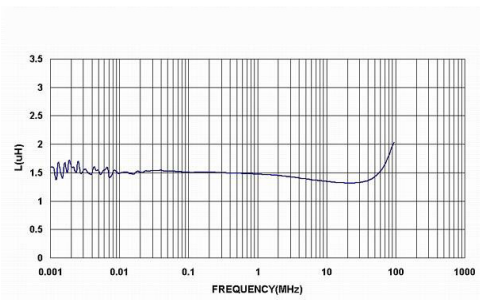
WDRH2D18H1R5T



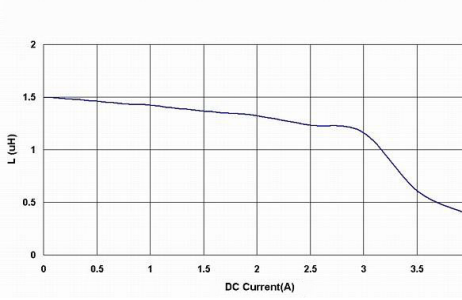
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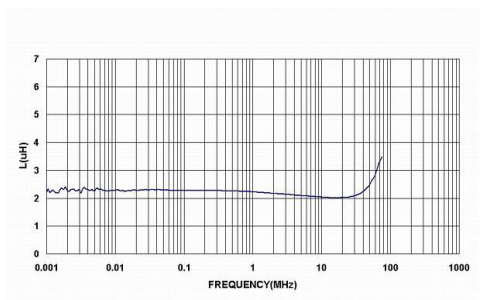
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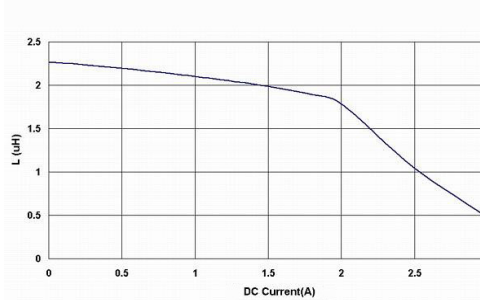
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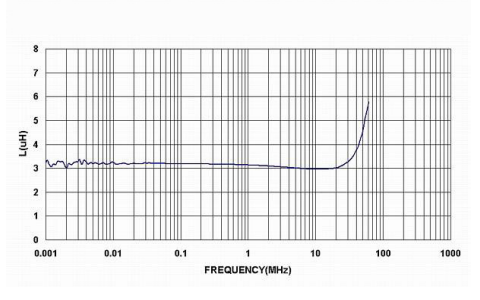
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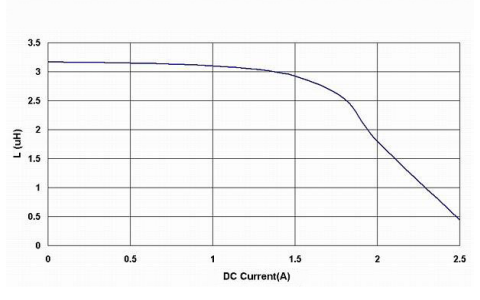
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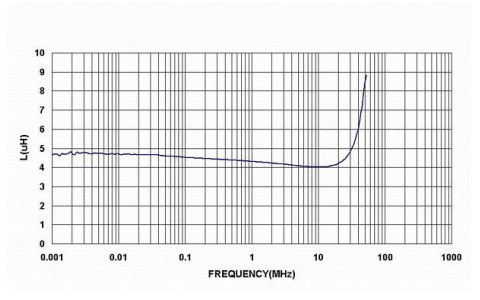
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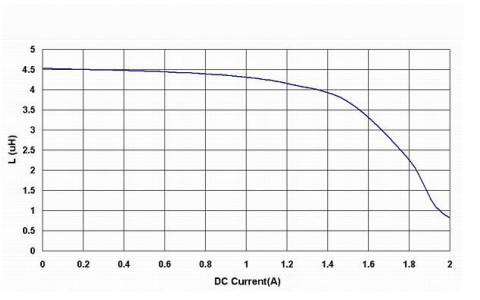
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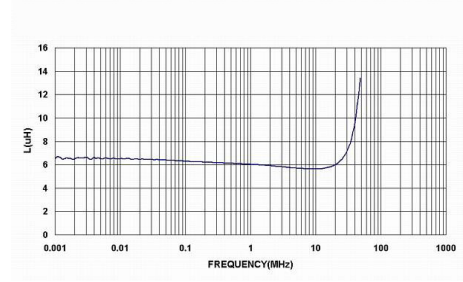
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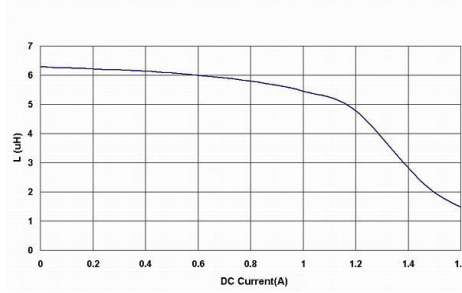
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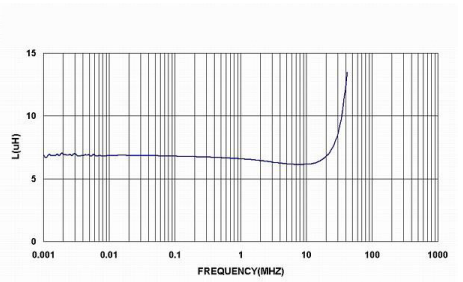
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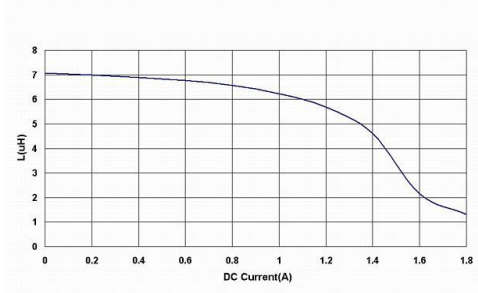
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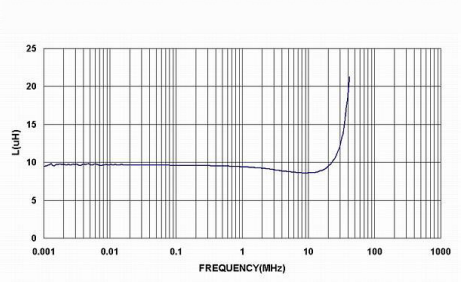
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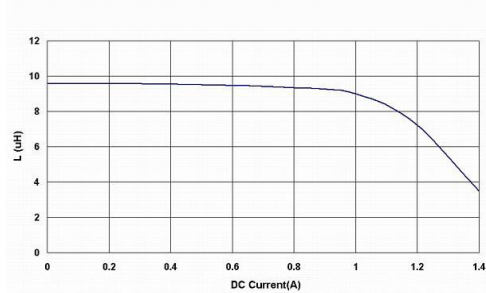
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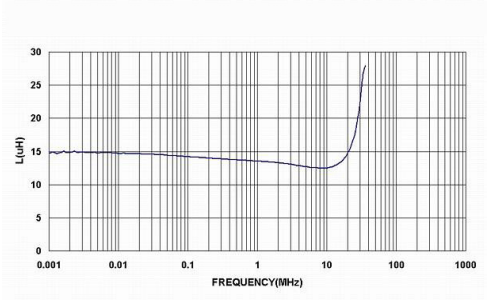
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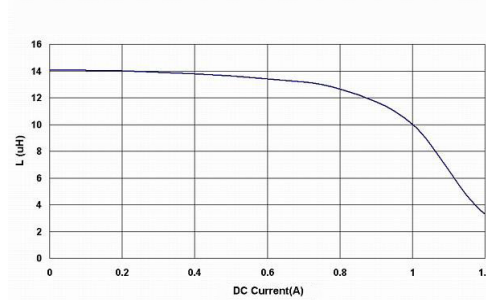
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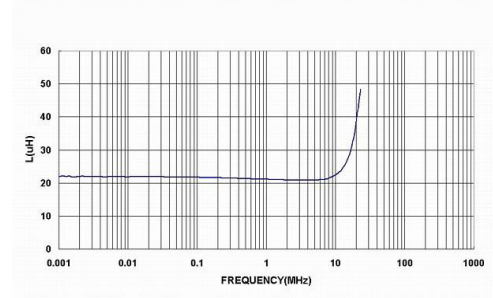
WDRH2D18H150M



WDRH2D18H150M



WDRH2D18H220M



WDRH2D18H220M

