

SMD shielded Power Inductors -WDRH Series



WDRH Series



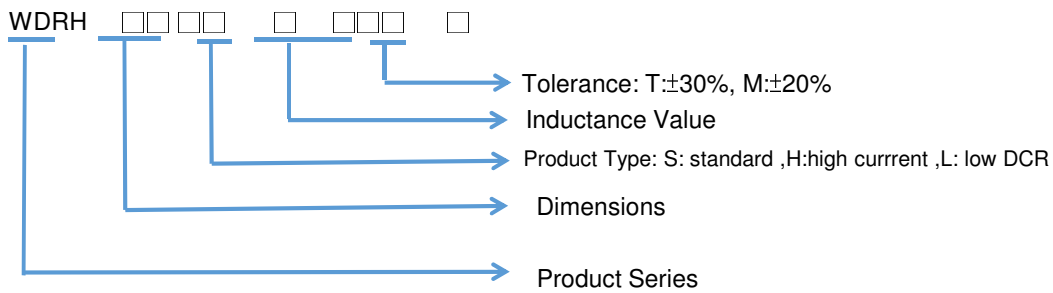
Description:

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

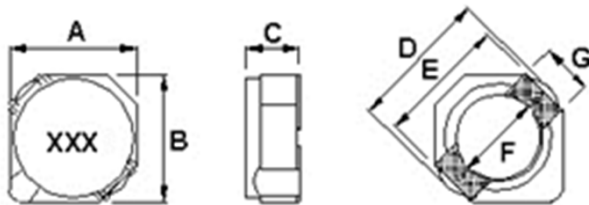
Applications:

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

Product Identification



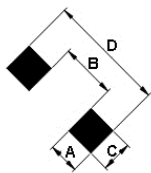
Dimensions-mm



Dimensions-mm

TYPE	A	B	C	D	E	F	G
WDRH3D11S	4.0Max	4.0Max	1.2Max	5.2Max	4.4	2.8	1.1

Recommended Pad Layout



Dimensions-mm

TYPE	A	B	C	D
WDRH3D11S	1.4	2.4	1.5	5.2

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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 %)
WDRH3D11S2R7T	2.7	100kHz,1V	0.078	0.53	1.82	30
WDRH3D11S4R7T	4.7	100kHz,1V	0.123	0.4	1.38	20,30
WDRH3D11S6R8T	6.8	100kHz,1V	0.18	0.34	1.05	30
WDRH3D11S8R2T	8.2	100kHz,1V	0.204	0.32	0.93	30
WDRH3D11S100M	10	100kHz,1V	0.24	0.28	0.9	20,30
WDRH3D11S120M	12	100kHz,1V	0.276	0.25	0.81	20,30
WDRH3D11S150M	15	100kHz,1V	0.372	0.23	0.68	20,30
WDRH3D11S180M	18	100kHz,1V	0.468	0.21	0.58	20,30
WDRH3D11S220M	22	100kHz,1V	0.54	0.19	0.53	20,30
WDRH3D11S270M	27	100kHz,1V	0.726	0.17	0.48	20,30
WDRH3D11S6330M	33	100kHz,1V	0.822	0.15	0.41	20,30
WDRH3D11S390M	39	100kHz,1V	0.942	0.14	0.4	20,30

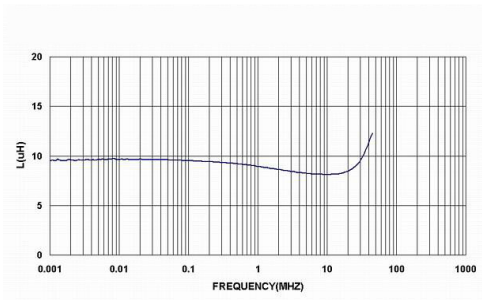
Notes:

- 1.tolerance K= \pm 10% / M= \pm 20%/ T= \pm 30%
- 2.All test data is referenced to 25 $^{\circ}$ C ambient.
- 3.Operating temperature range -30 $^{\circ}$ C ~ 100 $^{\circ}$ C(Including self - temperature rise)
- 4.Isat for Inductance drop 35% from its value without current.
- 5.Irms for a 40 $^{\circ}$ C temperature rise from 25 $^{\circ}$ 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 $^{\circ}$ C
Humidity:<70% RH

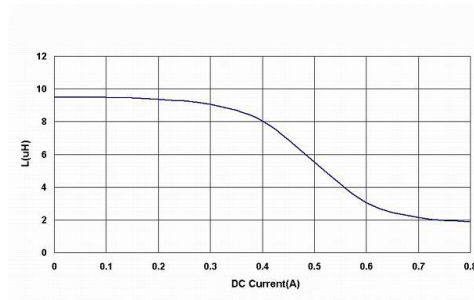
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Curve:

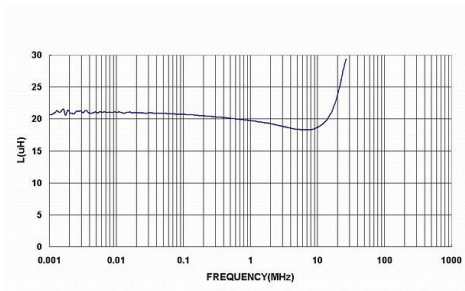
WDRH3D11S100M



WDRH3D11S100M



WDRH3D11S220M



WDRH3D11S220M

