

# MINIATURE SMD CHIP CHOKE COILS

闭磁路贴片电感

Shielded SMD Power Inductors

Operating Temp: -30℃ ~ 80℃



**特征:**

- 直接连接电极在铁氧体磁心上。
- 理想的感应器是一个直流电的转换。
- 具有高功率，强力高饱和电感器。
- 具有抗电磁干扰。
- 可利用的磁带和自动卷轴表面的设置。

**FEATURES:**

- Directly connected electrode on ferrite core.
- Ideal inductors for DC-DC conversion.
- High power, High saturation inductors.
- With magnetic shield against radiation.
- Available on tape and reel for auto surface mounting.

**用途:**

- 录影机。
- 液晶电视。
- 笔记本电脑。
- 小型通信机器。
- DC/DC 变压器之电源供应器等。

**APPLICATIONS:**

- Power supply for VTRs.
- LCD televisions.
- Notebook PCs.
- Portable communication equipment.
- DC/Dc converters, etc.

**产品型号:**

**PRODUCT IDENTIFICATION:**

**SMDRH**

**104R**

**470**

**N**

**T**

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类型 Type	
SMDRH	闭磁路贴片电感 Shielded SMT Power Inductors

外形尺寸(L×H) (mm) External Dimensions (L×W×H) (mm)	
104	10.3×10.3×4.0

Inductance
47 uH

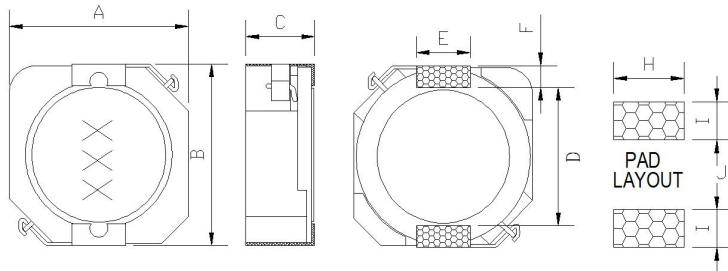
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Tolerance
J: ±5%, K: ±10%, L: ±15% M: ±20%, P: ±25%, N: ±30%

包装 Packing	
B	散装 Bulk Package
T	编带 Tape & Reel

**Shape and Size(Dimension are in mm):**



Part No	A (max)	B(max)	C(max)	D	E	F	H	I	J
SMDRH103R	10.3	10.4	3.0	7.7	3.0	1.2	3.6	1.7	7.3
SMDRH104R	10.3	10.4	4.0	7.7	3.0	1.2	3.6	1.7	7.3
SMDRH105R	10.3	10.4	5.0	7.7	3.0	1.2	3.6	1.7	7.3

**SMDRH103R Series**

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Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		
SMDRH103R -1R0N	1.0	N	100KHz	20	1MHz	0.009	6.50
SMDRH103R -1R5N	1.5	N	100KHz	20	1MHz	0.110	5.80
SMDRH103R -2R2N	2.2	N	100KHz	20	1MHz	0.017	5.10
SMDRH103R -3R3N	3.3	N	100KHz	20	1MHz	0.021	4.70
SMDRH103R -4R7N	4.7	N	100KHz	30	1MHz	0.030	4.00
SMDRH103R -6R8N	6.8	N	100KHz	30	1MHz	0.035	3.60
SMDRH103R -8R2N	8.2	N	100KHz	30	1MHz	0.050	3.00
SMDRH103R -100N	10	N	100KHz	35	1MHz	0.059	2.80
SMDRH103R -120N	12	N	100KHz	35	1MHz	0.072	2.25
SMDRH103R -150N	15	N	100KHz	35	1MHz	0.091	2.05
SMDRH103R -180N	18	N	100KHz	35	1MHz	0.116	1.90
SMDRH103R -220N	22	N	100KHz	35	1MHz	0.145	1.60
SMDRH103R -270N	27	N	100KHz	35	1MHz	0.175	1.63
SMDRH103R -330N	33	N	100KHz	35	1MHz	0.213	1.16
SMDRH103R -390N	39	N	100KHz	35	1MHz	0.268	1.32
SMDRH103R -470N	47	N	100KHz	35	1MHz	0.298	1.18
SMDRH103R -560N	56	N	100KHz	35	1MHz	0.335	1.10
SMDRH103R -680N	68	N	100KHz	35	1MHz	0.451	1.04
SMDRH103R -820N	82	N	100KHz	35	1MHz	0.513	0.94
SMDRH103R -101N	100	N	100KHz	40	0.796MHz	0.700	0.84
SMDRH103R -121N	120	N	100KHz	40	0.796MHz	0.765	0.76
SMDRH103R -151N	150	N	100KHz	40	0.796MHz	0.876	0.70

## SMDRH104R Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		
SMDRH104R -1R5N	1.5	N	100KHz	20	1MHz	0.008	6.50
SMDRH104R -2R5N	2.5	N	100KHz	20	1MHz	0.011	6.10
SMDRH104R -3R3N	3.3	N	100KHz	20	1MHz	0.014	5.60
SMDRH104R -3R8N	3.8	N	100KHz	20	1MHz	0.018	5.50
SMDRH104R -4R7N	4.7	N	100KHz	30	1MHz	0.022	5.40
SMDRH104R -5R2N	5.2	N	100KHz	30	1MHz	0.022	5.40
SMDRH104R -7R0N	7.0	N	100KHz	30	1MHz	0.027	4.50
SMDRH104R -8R2N	8.2	N	100KHz	30	1MHz	0.030	4.10
SMDRH104R -100N	10	N	100KHz	35	1MHz	0.035	3.80
SMDRH104R -150N	15	N	100KHz	35	1MHz	0.050	3.10
SMDRH104R -220N	22	N	100KHz	35	1MHz	0.073	2.50
SMDRH104R -330N	33	N	100KHz	35	1MHz	0.093	2.20

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SMDRH104R -470N	47	N	100KHz	35	1MHz	0.128	1.90
SMDRH104R -560N	56	N	100KHz	35	1MHz	0.185	1.60
SMDRH104R -680N	68	N	100KHz	35	1MHz	0.213	1.42
SMDRH104R -820N	82	N	100KHz	35	1MHz	0.275	1.32
SMDRH104R -101N	100	N	100KHz	40	0.796MHz	0.304	1.25
SMDRH104R -151N	150	N	100KHz	40	0.796MHz	0.506	0.85
SMDRH104R -221M	220	M	100KHz	40	0.796MHz	0.756	0.70
SMDRH104R -331M	330	M	100KHz	40	0.796MHz	1.090	0.52

## SMDRH105R Series

Part No.	Inductance (uH)			Quality Factor		DCR (OHM) Max	Rated DC Current (Amp)Max
	Nominal Value	Tole.	Test Freq.	Spec. Min	Test Freq.		
SMDRH105R -3R3N	3.3	N	100KHz	20	1MHz	0.013	6.00
SMDRH105R -4R7N	4.7	N	100KHz	30	1MHz	0.016	5.70
SMDRH105R -6R8N	6.8	N	100KHz	30	1MHz	0.020	5.35
SMDRH105R -8R2N	8.2	N	100KHz	30	1MHz	0.023	5.00
SMDRH105R -100N	10	N	100KHz	35	1MHz	0.250	3.45
SMDRH105R -120N	12	N	100KHz	35	1MHz	0.032	3.40
SMDRH105R -150N	15	N	100KHz	35	1MHz	0.040	2.83
SMDRH105R -180N	18	N	100KHz	35	1MHz	0.046	2.62
SMDRH105R -220N	22	N	100KHz	35	1MHz	0.058	2.44
SMDRH105R -270N	27	N	100KHz	35	1MHz	0.650	2.24
SMDRH105R -330N	33	N	100KHz	35	1MHz	0.810	1.88
SMDRH105R -390N	39	N	100KHz	35	1MHz	0.103	1.70
SMDRH105R -470N	47	N	100KHz	35	1MHz	0.122	1.56
SMDRH105R -560N	56	N	100KHz	35	1MHz	0.144	1.39
SMDRH105R -680N	68	N	100KHz	35	1MHz	0.193	1.36
SMDRH105R -820N	82	N	100KHz	35	1MHz	0.219	1.20
SMDRH105R -101N	100	N	100KHz	40	0.796MHz	0.247	1.09
SMDRH105R -121N	120	N	100KHz	40	0.796MHz	0.298	1.00
SMDRH105R -151N	150	N	100KHz	40	0.796MHz	0.355	0.91
SMDRH105R -181M	180	M	100KHz	40	0.796MHz	0.393	0.84
SMDRH105R -221M	220	M	100KHz	40	0.796MHz	0.483	0.75
SMDRH105R -271M	270	M	100KHz	40	0.796MHz	0.632	0.68
SMDRH105R -331M	330	M	100KHz	40	0.796MHz	0.780	0.60
SMDRH105R -391M	390	M	100KHz	40	0.796MHz	0.957	0.57
SMDRH105R -471M	470	M	100KHz	40	0.796MHz	1.220	0.50
SMDRH105R -561M	560	M	100KHz	40	0.796MHz	1.352	0.47
SMDRH105R -681M	680	M	100KHz	40	0.796MHz	1.519	0.43
SMDRH105R -821M	820	M	100KHz	40	0.796MHz	1.694	0.39
SMDRH105R -102M	1000	M	100KHz	40	0.796MHz	1.946	0.35

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