

SMRH8D Series Power inductor



FEATURES

- ROHS, Halogen free and REACH Compliance
- Magnetic shielded surface mount inductor
- low DC resistance
- Various package size and wide inductance range

APPLICATIONS

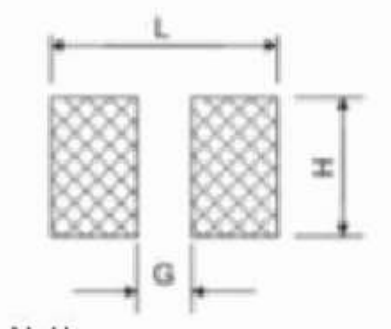
- AP Routers, STBs and LCD TVs.
- Monitors, Game consoles and LED lightings
- Notebook computer, DC - DC converters, etc

SHAPE AND DIMENSIONS



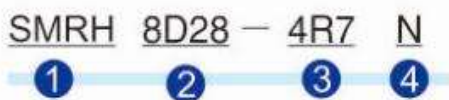
Part Number	Dimensions (mm)					
	A(MAX)	B(MAX)	C(MAX)	D	E	F
SMRH8D28	9.5	8.3	3.0	6.3	2.5	2.5
SMRH8D38	9.5	8.3	4.0	6.3	2.5	2.5
SMRH8D43	9.5	8.3	4.5	6.3	2.5	2.5

RECOMMENDED PC BOARD PATTERN



Part Number	Dimensions (mm)		
	L	G	H
SMRH8D28	10.1	6.1	5.0
SMRH8D38	10.1	6.1	5.0
SMRH8D34	10.1	6.1	5.0

PRODUCT IDENTIFICATION



- ① Series name
- ② Dimensions D×T
- ③ Inductance: R47-0.47uH 4R7-4.7uH 100-10uH
- ④ Tolerance: K: ±10% M: ±20% N: ±30%

SPECIFICATIONS

● SMRH8D28 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (KHz/V)	DCR Max(Ω)	Rated Current Max (mA)
SMRH8D28-2R2□	2.2	K、M、N	100/0.25	0.018	5000
SMRH8D28-2R7□	2.7			0.026	4500
SMRH8D28-3R9□	3.9			0.031	4000
SMRH8D28-4R7□	4.7			0.041	3400
SMRH8D28-5R6□	5.6			0.048	3200
SMRH8D28-6R8□	6.8			0.055	3000
SMRH8D28-8R2□	8.2			0.067	2800
SMRH8D28-100□	10			0.074	2500
SMRH8D28-150□	15			0.112	1900
SMRH8D28-220□	22			0.139	1600
SMRH8D28-330□	33			0.214	1300
SMRH8D28-470□	47			0.308	1150
SMRH8D28-680□	68			0.394	920
SMRH8D28-101□	100			0.583	750

Note: When ordering, please specify tolerance code. Tolerance: K: $\pm 10\%$ 、M: $\pm 20\%$ 、N: $\pm 30\%$;

1. Operating temperature range -40 -125℃
2. Isat for idncutance drop 30% from its value without current

● SMRH8D38 TYPE

Part Number	Inductance (uH)	Tolerance	Test Frequency (KHz/V)	DCR Max(Ω)	Rated Current Max (mA)
SMRH8D38-2R2□	2.2	K、M、N	100/0.25	0.020	5500
SMRH8D38-3R3□	3.3			0.025	4400
SMRH8D38-4R7□	4.7			0.027	4000
SMRH8D38-5R6□	5.6			0.030	3800
SMRH8D38-6R8□	6.8			0.038	3500
SMRH8D38-8R2□	8.2			0.051	3000
SMRH8D38-100□	10			0.057	2600
SMRH8D38-150□	15			0.073	2300
SMRH8D38-220□	22			0.111	1880
SMRH8D38-330□	33			0.165	1520
SMRH8D38-470□	47			0.199	1280



Specifications subject to change without notice. Please check our website for latest information.

Tel: 0086-769-85016657 Fax: 0086-769-85016658 E-Mail: sales@ZXcompo.com www.zxcompo.com

Part Number	Inductance (μ H)	Tolerance	Test Frequency (KHz/V)	DCR Max(Ω)	Rated Current Max (mA)
SMRH8D38-560□	56	K、M、N	100/0.25	0.279	1200
SMRH8D38-680□	68			0.313	1100
SMRH8D38-820□	82			0.349	950
SMRH8D38-101□	100			0.470	880

Note: When ordering, please specify tolerance code. Tolerance: K: $\pm 10\%$ 、M: $\pm 20\%$ 、N: $\pm 30\%$;

1. Operating temperature range -40 -125℃
2. Isat for idncutance drop 30% from its value without current

● SMRH8D43 TYPE

Part Number	Inductance (μ H)	Tolerance	Test Frequency (KHz/V)	DCR Max(Ω)	Rated Current Max (mA)
SMRH8D43-2R7□	2.7	K、M、N	100/0.25	0.020	7300
SMRH8D43-3R3□	3.3			0.022	6200
SMRH8D43-4R7□	4.7			0.025	5370
SMRH8D43-5R6□	5.6			0.027	4740
SMRH8D43-6R8□	6.8			0.030	4240
SMRH8D43-8R2□	8.2			0.034	3840
SMRH8D43-100□	10			0.046	3500
SMRH8D43-120□	12			0.050	3220
SMRH8D43-150□	15			0.070	2990
SMRH8D43-180□	18			0.080	2600
SMRH8D43-220□	22			0.082	2440
SMRH8D43-270□	27			0.093	2180
SMRH8D43-330□	33			0.130	1970
SMRH8D43-390□	39			0.140	1790
SMRH8D43-470□	47			0.160	1650
SMRH8D43-560□	56			0.210	1520
SMRH8D43-680□	68			0.240	1370
SMRH8D43-820□	82			0.260	1240
SMRH8D43-101□	100			0.360	1140

Note: When ordering, please specify tolerance code. Tolerance: K: $\pm 10\%$ 、M: $\pm 20\%$ 、N: $\pm 30\%$;

1. Operating temperature range -40 -125℃
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● Packaging Specifications

Tape Dimensions

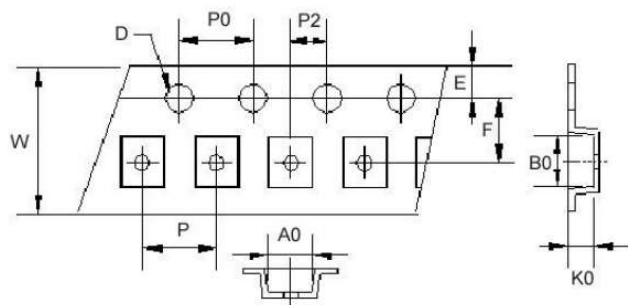


Figure 1

Tape Dimensions

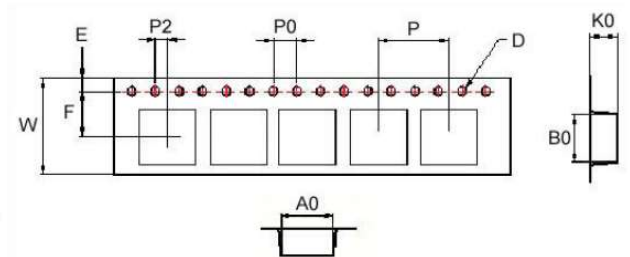


Figure 2

Reel Dimensions

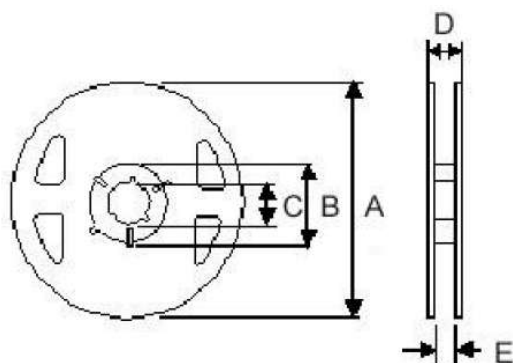


Figure 3

Reel Dimensions

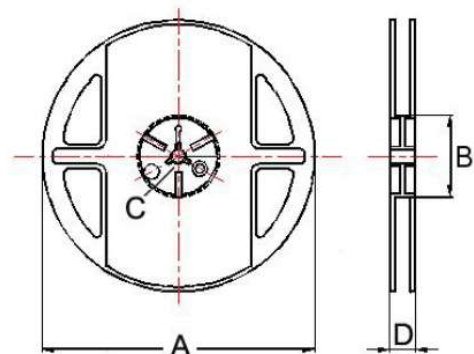


Figure 4