

UNSHIELDED SMD POWER INDUCTORS



SDRH 5D28R/103R/104R/105R TYPE

Directly connected electrode on ferrite core. High power, High saturation inductors.

Ideal inductors for DC-DC conversion with magnetic shield against radiation.

Available on tape and reel for auto surface mounting.

Applications:

Power supply for VTRs.

LCD Televisions . Notebook PCs.

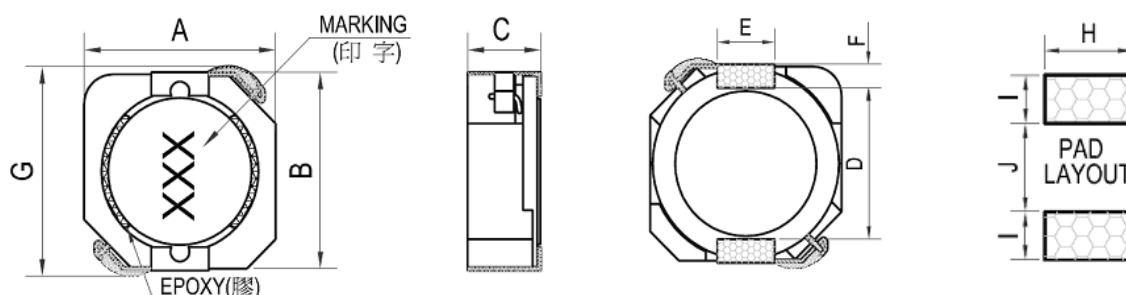
Portable communication equipments; DC/DC converters, etc.



Electrical Specifications at 25 °C

Shape and Dimensions (Unit : mm)

P/N	A(max)	實測值	B(max)	實測值	C(max)	實測值	D	E	F	G(max)	實測值	H	I	J
DRH5D28R	6.2	5.93	6.3	6.10	3.0	2.91	4.7	2.0	0.6	6.45	6.28	2.6	1.0	4.6
DRH103R	10.3	10.05	10.4	10.27	3.0	2.78	7.7	3.0	1.2	10.55	10.38	3.6	1.7	7.3
DRH104R	10.3	10.03	10.4	10.23	4.0	3.21	7.7	3.0	1.2	10.55	10.41	3.6	1.7	7.3
DRH105R	10.3	10.02	10.4	10.22	5.0	4.36	7.7	3.0	1.2	10.55	10.44	3.6	1.7	7.3



Inductance Tolerance : $N \pm 30\%$

Part No	L (uH)	DC Resistance (Ω) Max.				I rms (Amp) Max.				I sat (Amp) Max.			
		5D28R	103R	104R	105R	5D28	103R	104R	105R	5D28R	103R	104R	105R
R80N	0.80		5.70		4.30		6.50		7.50		9.00		12.00
1R5N	1.50		11.00	8.10	5.80		4.20	6.50	7.00		7.00	10.00	9.00
2R2N	2.20		16.90		7.20		4.05		6.30		5.80		7.50
2R5N	2.50	17.60		10.00		2.60		6.10		2.60		7.50	
3R3N	3.30	20.30	21.00		10.40	2.30	3.80		5.75	2.30	4.60		6.00
3R8N	3.80			13.00				5.50				6.00	
4R0N	4.00	27.00				2.10				2.10			
4R7N	4.70		30.00		12.30		3.30		4.75		4.00		5.20
5R0N	5.00	31.10				1.85				1.85		5.50	
5R2N	5.20			22.00				5.40					
6R0N	6.00	41.90				1.70				1.70			
6R8N	6.80		35.00		18.00		3.15		4.10		3.20		4.20

SUOTEK ELECTRONICS COMPANY LIMITED

Tel: 86-769-86318023 Fax : 86-769-86318022 Website: www.suotek.com E-mail: sales@suotek.com

SDRH002-1

UNSHIELDED SMD POWER INDUCTORS

SDRH 5D28R/103R/104R/105R TYPE

Directly connected electrode on ferrite core. High power, High saturation inductors.

Ideal inductors for DC-DC conversion. with magnetic shield against radiation.

Available on tape and reel for auto surface mounting.

Applications:

Power supply for VTRs.

LCD Televisions . Notebook PCs.

Portable communication equipments; DC/DC converters, etc.



Electrical Specifications at 25 °C

Part No	L (uH)	DC Resistance (Ω) Max.				I rms (Amp) Max.				I sat (Amp) Max.			
		5D28R	103R	104R	105R	5D28	103R	104R	105R	5D28R	103R	104R	105R
7R0N	7.00			27.00				4.50				4.80	
8R0N	8.00	49.90				1.50				1.50			
8R2N	8.20		50.00		20.00		2.50		4.00		3.00		3.80
100N	10.00	54.00	58.10	35.00	25.80	1.30	2.40	3.80	3.75	1.30	2.70	4.40	3.45
120N	12.00	71.60	72.10		32.00	1.20	2.10		3.00	1.20	2.40		3.40
150N	15.00	82.40	86.50	50.00	40.00	1.10	2.05	3.10	2.65	1.10	2.20	3.60	2.83
180N	18.00	101.50	116.10		46.00	1.05	1.50		2.20	1.05	2.00		2.62
220N	22.00	119.00	143.00	73.00	58.50	0.95	1.20	2.50	1.80	0.95	1.80	2.90	2.44
270N	27.00	146.00	175.90		65.40	0.85	1.15		1.70	0.85	1.65		2.24
330N	33.00	182.50	202.00	93.00	81.40	0.76	1.10	2.20	1.65	0.76	1.48	2.30	1.88
390N	39.00	209.50	268.90		103.10	0.68	1.00		1.60	0.68	1.35		1.70
470N	47.00	229.50	299.00	128.00	122.10	0.60	0.90	1.90	1.50	0.60	1.20	2.10	1.56
560N	56.00	305.00	325.00		144.80	0.55	0.78		1.45	0.55	1.15		1.39
680N	68.00	351.00	429.00	213.00	193.00	0.48	0.68	1.42	1.20	0.48	1.05	1.50	1.36
820N	82.00	418.50	494.00		219.40	0.45	0.63		0.95	0.45	0.95		1.20
101N	100.00	520.00	683.00	304.00	247.00	0.40	0.56	1.25	0.90	0.40	0.85	1.35	1.09
121N	120.00		754.00		298.40		0.53		0.85		0.76		1.00
151N	150.00		871.00	506.00	355.10		0.51	0.85	0.80		0.70	1.15	0.91
181N	180.00				393.40				0.75				0.84
221N	220.00			756.00	483.80			0.70	0.70			0.92	0.75
271N	270.00				632.50				0.60				0.68
331N	330.00			1090.00	780.00			0.52	0.50			0.70	0.60
391N	390.00				957.50				0.45				0.57
471N	470.00				1220.40				0.42				0.50
561N	560.00				1352.40				0.39				0.47
681N	680.00				1519.20				0.36				0.43
821N	820.00				1694.40				0.34				0.39
102N	1000.00				1946.40				0.32				0.35

Note: Measuring Frequency : 100KHz 0.1V.

SUOTEK ELECTRONICS COMPANY LIMITED

Tel: 86-769-86318023 Fax : 86-769-86318022 Website: www.suotek.com E-mail: sales@suotek.com

SDRH002-2