

UNSHIELDED SMD POWER INDUCTORS



SDR137 TYPE

Silver Plated Type, Low cost design. High power, High saturation inductors.

Ideal inductors for DC-DC conversion.

Applications:

Power supply for VRMs.

LCD Televisions . Notebook PCs.

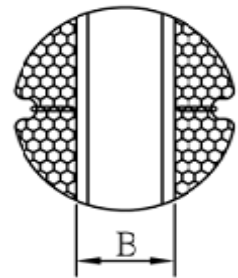
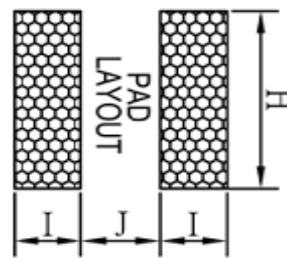
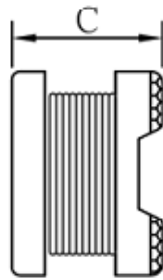
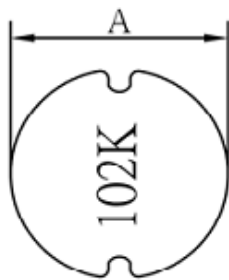
Portable communication equipments; DC/DC converters, etc.



Electrical Specifications at 25°C

Shape and Dimensions (Unit : mm)

P/N	A	C	B	H	I	J
SDR137	13.0±0.5	7.0±0.3	4.5	14.0	4.75	4.5



Inductance Tolerance : M $\pm 20\%$, L $\pm 15\%$, K $\pm 10\%$

Part Nuber	Inductance (μH)	Test Frequency 0.1V	DCR Max(Ω)	Rated Current (A)	
				Irms	Isat
SDR137-1R5M	1.5	100 KHz	5.00	9.50	22.00
SDR137-2R2M	2.2	100 KHz	8.00	9.00	20.00
SDR137-2R7M	2.7	100 KHz	8.00	8.20	18.00
SDR137-3R3M	3.3	100 KHz	8.70	7.50	17.00
SDR137-4R7M	4.7	100 KHz	11.80	7.00	15.00
SDR137-5R6M	5.6	100 KHz	15.00	6.50	13.00
SDR137-6R8M	6.8	100 KHz	17.00	6.00	11.50
SDR137-8R2M	8.2	100 KHz	19.00	5.80	10.80
SDR137-100M	10.0	100 KHz	23.00	5.60	10.20
SDR137-120M	12.0	100 KHz	30.00	4.80	9.00

SUOTEK ELECTRONICS COMPANY LIMITED

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

SDR002-1

UNSHIELDED SMD POWER INDUCTORS



SDR137 TYPE

Silver Plated Type, Low cost design. High power, High saturation inductors.

Ideal inductors for DC-DC conversion.

Applications:

Power supply for VRMs.

LCD Televisions . Notebook PCs.

Portable communication equipments; DC/DC converters, etc.



Electrical Specifications at 25°C

Part Nuber	Inductance (uH)	Test Frequency 0.1V	DCR Max(Ω)	Rated Current Max (A)	
				Irms	Isat
SDR137-150M	15.0	100 KHz	34.00	4.50	8.00
SDR137-180M	18.0	100 KHz	40.00	4.20	7.50
SDR137-220M	22.0	100 KHz	52.00	3.60	7.00
SDR137-270M	27.0	100 KHz	60.00	3.30	6.00
SDR137-330K	33.0	100 KHz	70.00	3.10	5.50
SDR137-390K	39.0	100 KHz	75.00	2.90	5.10
SDR137-470K	47.0	100 KHz	82.00	2.70	4.70
SDR137-560K	56.0	100 KHz	112.00	2.50	4.30
SDR137-680K	68.0	100 KHz	135.00	2.30	4.00
SDR137-820K	82.0	100 KHz	140.00	2.10	3.70
SDR137-101K	100.0	100 KHz	180.00	1.90	3.20
SDR137-121K	120.0	100 KHz	230.00	1.80	3.00
SDR137-151K	150.0	100 KHz	260.00	1.60	2.70
SDR137-181K	180.0	100 KHz	350.00	1.50	2.40
SDR137-221K	220.0	100 KHz	380.00	1.30	2.20
SDR137-271K	270.0	100 KHz	480.00	1.20	1.90
SDR137-331K	330.0	100 KHz	520.00	1.10	1.70
SDR137-391K	390.0	100 KHz	650.00	1.00	1.60
SDR137-471K	470.0	100 KHz	800.00	0.90	1.50
SDR137-561K	560.0	100 KHz	1100.00	0.85	1.30
SDR137-681K	680.0	100 KHz	1150.00	0.80	1.20
SDR137-821K	820.0	100 KHz	1600.00	0.75	1.10
SDR137-102K	1000.0	100 KHz	1700.00	0.65	1.00

SUOTEK ELECTRONICS COMPANY LIMITED

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

SDR002-2