

Feature

- Whit magnetic shielded against radiation.
- Large terminal surface suitable for good PCB mounting.
- high current capacity.
- Low core loss for high frequency power application.
- Operating temperature -25°C to +85°C.



Applications

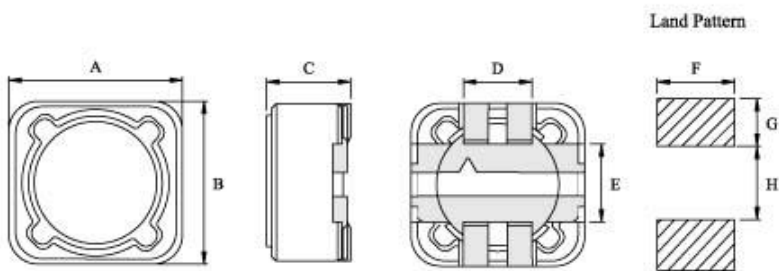
Output choke coil for DC/DC converter etc.
 Used in power supply of all kinds of small size electrical device, Such as switching power supplies changer, Various computer peripheral equipment etc.

Product Identification

HSB 127 - 100 M I □□
 (1) (2) (3) (4) (5) (6)

- (1) PRODUCT TYPE CODE
- (2) DIMENSIONS
- (3) INDUCTANCE
- (4) INDUCTANCE TOLARANCE: (M=20.N=30)
- (5) REEL TAPPING
- (6) PRODUCT FACTORY

CONFIGURATIONS & DIMENSIONS (unit in mm)



TYPE (型式)	A (max)	B (max)	C (max)	D (±0.2)	E (±0.2)	F	G	H
HSB124	12.3	12.3	4.5	5.0	7.6	5.4	2.8	7.0
HSB125	12.3	12.3	6.0	5.0	7.6	5.4	2.8	7.0
HSB127	12.3	12.3	8.0	5.0	7.6	5.4	2.9	7.0
HSB129	12.2±0.3	12.2±0.3	10.0	5.0	7.6	5.4	2.9	7.0

Electrical characteristics for HSB124 series

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSB124-3R9N	3.90	100	0.015	6.50
HSB124-4R7N	4.70	100	0.018	5.70
HSB124-6R8N	6.80	100	0.023	4.90
HSB124-8R2N	8.20	100	0.026	4.60
HSB124-100M	10.00	100	0.028	4.50
HSB124-120M	12.00	100	0.038	4.00
HSB124-150M	15.00	100	0.050	3.20
HSB124-180M	18.00	100	0.057	3.10
HSB124-220M	22.00	100	0.066	2.90
HSB124-270M	27.00	100	0.080	2.80
HSB124-330M	33.00	100	0.097	2.70
HSB124-390M	39.00	100	0.132	2.10
HSB124-470M	47.00	100	0.160	1.90
HSB124-560M	56.00	100	0.190	1.80
HSB124-680M	68.00	100	0.220	1.50
HSB124-820M	82.00	100	0.260	1.30
HSB124-101M	100.00	100	0.308	1.20
HSB124-121M	120.00	100	0.380	1.10
HSB124-151M	150.00	100	0.530	0.95
HSB124-181M	180.00	100	0.620	0.85
HSB124-221M	220.00	100	0.700	0.80
HSB124-271M	270.00	100	0.870	0.60
HSB124-331M	330.00	100	0.990	0.50

Electrical characteristics for HSB125 series

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSB125-1R3N	1.30	7.96M	0.012	8.00
HSB125-2R1N	2.10	7.96M	0.014	7.00
HSB125-3R1N	3.10	7.96M	0.017	6.00
HSB125-4R4N	4.40	7.96M	0.020	5.00
HSB125-5R8N	5.80	7.96M	0.021	4.40
HSB125-7R5N	7.50	7.96M	0.024	4.20
HSB125-100M	10.00	1K	0.025	4.00
HSB125-120M	12.00	1K	0.027	3.50
HSB125-150M	15.00	1K	0.030	3.30
HSB125-180M	18.00	1K	0.034	3.00
HSB125-220M	22.00	1K	0.036	2.80
HSB125-270M	27.00	1K	0.051	2.30
HSB125-330M	33.00	1K	0.057	2.10
HSB125-390M	39.00	1K	0.068	2.00
HSB125-470M	47.00	1K	0.075	1.80
HSB125-560M	56.00	1K	0.110	1.70
HSB125-680M	68.00	1K	0.120	1.50
HSB125-820M	82.00	1K	0.140	1.40
HSB125-101M	100.00	1K	0.160	1.30
HSB125-121M	120.00	1K	0.170	1.10
HSB125-151M	150.00	1K	0.230	1.00
HSB125-181M	180.00	1K	0.290	0.90
HSB125-221M	220.00	1K	0.400	0.80
HSB125-271M	270.00	1K	0.460	0.75
HSB125-331M	330.00	1K	0.510	0.68
HSB125-391M	390.00	1K	0.690	0.65
HSB125-471M	470.00	1K	0.770	0.58
HSB125-561M	560.00	1K	0.860	0.54
HSB125-681M	680.00	1K	1.200	0.48
HSB125-821M	820.00	1K	1.340	0.43
HSB125-102M	1000.00	1K	1.530	0.40

Electrical characteristics for HSB127 series

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSB127-1R2N	1.20	100	0.0070	9.80
HSB127-2R4N	2.40	100	0.0115	8.00
HSB127-3R5N	3.50	100	0.0135	7.50
HSB127-4R7N	4.70	100	0.0158	6.80
HSB127-6R1N	6.10	100	0.0176	6.60
HSB127-7R6N	7.60	100	0.0200	5.90
HSB127-100M	10.00	1K	0.0216	5.40
HSB127-120M	12.00	1K	0.0243	4.90
HSB127-150M	15.00	1K	0.0270	4.50
HSB127-180M	18.00	1K	0.0392	3.90
HSB127-220M	22.00	1K	0.0432	3.60
HSB127-270M	27.00	1K	0.0459	3.40
HSB127-330M	33.00	1K	0.0648	3.00
HSB127-390M	39.00	1K	0.0729	2.75
HSB127-470M	47.00	1K	0.100	2.50
HSB127-560M	56.00	1K	0.110	2.35
HSB127-680M	68.00	1K	0.140	2.10
HSB127-820M	82.00	1K	0.160	1.95
HSB127-101M	100.00	1K	0.220	1.70
HSB127-121M	120.00	1K	0.250	1.60
HSB127-151M	150.00	1K	0.280	1.42
HSB127-181M	180.00	1K	0.350	1.30
HSB127-221M	220.00	1K	0.390	1.16
HSB127-271M	270.00	1K	0.560	1.06
HSB127-331M	330.00	1K	0.640	0.95
HSB127-391M	390.00	1K	0.700	0.88
HSB127-471M	470.00	1K	0.980	0.79
HSB127-561M	560.00	1K	1.070	0.73
HSB127-681M	680.00	1K	1.460	0.67
HSB127-821M	820.00	1K	1.640	0.60
HSB127-102M	1000.00	1K	1.820	0.55

Electrical characteristics for HSB129 series

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (Hz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
HSB129-2R4N	2.40	100K	0.0057	15.0
HSB129-3R3N	3.30	100K	0.0086	14.0
HSB129-5R0N	5.00	100K	0.0105	11.0
HSB129-6R8N	6.80	100K	0.0132	10.0
HSB129-8R2N	8.20	100K	0.0153	8.20
HSB129-100M	10.00	1K	0.0180	7.50
HSB129-120M	12.00	1K	0.0197	7.00
HSB129-150M	15.00	1K	0.0242	6.00
HSB129-180M	18.00	1K	0.0312	5.50
HSB129-220M	22.00	1K	0.0390	5.00
HSB129-270M	27.00	1K	0.0450	4.50
HSB129-330M	33.00	1K	0.0500	4.00
HSB129-390M	39.00	1K	0.0592	3.80
HSB129-470M	47.00	1K	0.0689	3.50
HSB129-560M	56.00	1K	0.0790	3.20
HSB129-680M	68.00	1K	0.0878	3.00
HSB129-820M	82.00	1K	0.1100	2.60
HSB129-101M	100.00	1K	0.1400	2.20
HSB129-121M	120.00	1K	0.1600	2.00
HSB129-151M	150.00	1K	0.2000	1.80
HSB129-181M	180.00	1K	0.2700	1.60
HSB129-221M	220.00	1K	0.3000	1.50
HSB129-271M	270.00	1K	0.4000	1.30
HSB129-331M	330.00	1K	0.4500	1.20
HSB129-391M	390.00	1K	0.5500	1.10
HSB129-471M	470.00	1K	0.6000	1.00
HSB129-561M	560.00	1K	0.7000	0.90
HSB129-681M	680.00	1K	0.8400	0.82
HSB129-821M	820.00	1K	1.0600	0.80
HSB129-102M	1000.00	1K	1.2700	0.76
HSB129-122M	1200.00	1K	1.2700	0.80
HSB129-472M	4700.00	1K	5.0400	0.45