

ADB Technology Co., Ltd.

Shielded Construction - SMD / SHY Series

Feature

High current and inductance capacity.
 Specially designed for surface mounting.
 equipment, good for high density application.
 Low profile very effective in space-conscious applications.
 Low resistance and high-energy storage.

Application

Power supply for VTR, OA equipment, LCD TV,
 Notebook PC, DC/DC Converter, DC/AC Inverter.

Product Identification

SHY
1

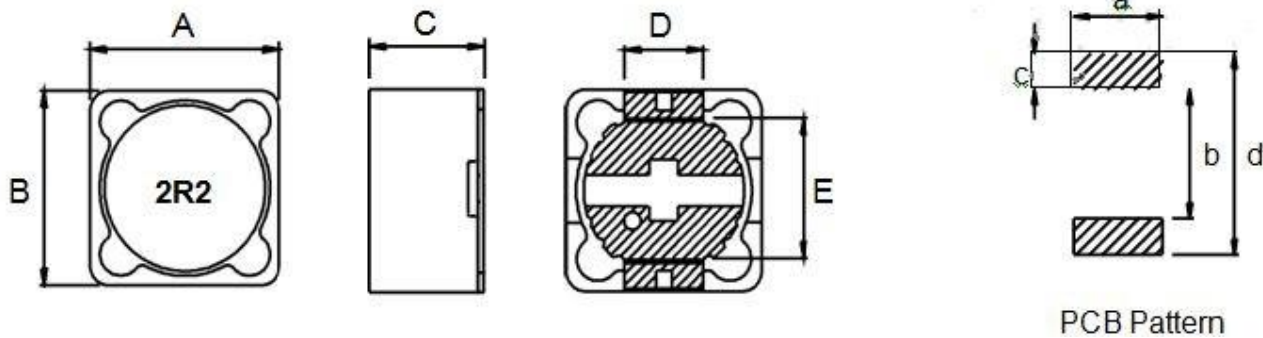
1204
2

2R2
3

M
4

1. Series name.
2. Dimension.
3. Inductance.
4. Tolerance.
(M=±20%,N=±30%)

Configurations & Dimensions



Series Name	A	B	C	D	E
SHY 1204	12.5 max	12.5 max	5.0(MAX)	5.0±0.2	7.6±0.2
SHY 1205	12.5 max	12.5 max	6.0(MAX)	5.0±0.2	7.6±0.2
SHY 1207	12.5 max	12.5 max	8.0(MAX)	5.0±0.2	7.6±0.2

Unit: mm

Series Name	a	b	c	d
SHY 1204	5.4(REF)	7.0(REF)	2.9(REF)	12.8(REF)
SHY 1205	5.4(REF)	7.0(REF)	2.9(REF)	12.8(REF)
SHY 1207	5.4(REF)	7.0(REF)	2.9(REF)	12.8(REF)

Unit: mm

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Electrical Characteristics

SHY 1204 Series				
Part Number	Inductance (μ H)	Test Condition (Volt / Hz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
SHY 1204-3R9 __	3.9	1.0 / 100K	15	6500
SHY 1204-4R7 __	4.7	1.0 / 100K	18	5700
SHY 1204-6R8 __	6.8	1.0 / 100K	23	4900
SHY 1204-8R2 __	8.2	1.0 / 100K	27	4600
SHY 1204-100 __	10	1.0 / 100K	28	4200
SHY 1204-120 __	12	1.0 / 100K	38	3700
SHY 1204-150 __	15	1.0 / 100K	50	3200
SHY 1204-180 __	18	1.0 / 100K	57	3100
SHY 1204-220 __	22	1.0 / 100K	66	2800
SHY 1204-270 __	27	1.0 / 100K	80	2500
SHY 1204-330 __	33	1.0 / 100K	97	2300
SHY 1204-390 __	39	1.0 / 100K	132	2100
SHY 1204-470 __	47	1.0 / 100K	150	1900
SHY 1204-560 __	56	1.0 / 100K	190	1700
SHY 1204-680 __	68	1.0 / 100K	220	1500
SHY 1204-820 __	82	1.0 / 100K	260	1400
SHY 1204-101 __	100	1.0 / 100K	308	1250
SHY 1204-121 __	120	1.0 / 100K	380	1100
SHY 1204-151 __	150	1.0 / 100K	530	950
SHY 1204-181 __	180	1.0 / 100K	620	850
SHY 1204-221 __	220	1.0 / 100K	700	800
SHY 1204-271 __	270	1.0 / 100K	870	700
SHY 1204-331 __	330	1.0 / 100K	990	650

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SHY 1205 Series				
Part Number	Inductance (μ H)	Test Condition (Volt / Hz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
SHY 1205-1R5 __	1.5	1.0 / 100K	8	8,000
SHY 1205-2R2 __	2.2	1.0 / 100K	14	7,000
SHY 1205-3R3 __	3.3	1.0 / 100K	17	6,000
SHY 1205-4R7 __	4.7	1.0 / 100K	20	5,000
SHY 1205-5R8 __	5.8	1.0 / 100K	21	4,400
SHY 1205-7R5 __	7.5	1.0 / 100K	24	4,200
SHY 1205-100 __	10	1.0 / 100K	25	4,000
SHY 1205-120 __	12	1.0 / 100K	27	3,500
SHY 1205-150 __	15	1.0 / 100K	30	3,300
SHY 1205-180 __	18	1.0 / 100K	34	3,000
SHY 1205-220 __	22	1.0 / 100K	36	2,800
SHY 1205-270 __	27	1.0 / 100K	51	2,300
SHY 1205-330 __	33	1.0 / 100K	57	2,100
SHY 1205-390 __	39	1.0 / 100K	68	2,000
SHY 1205-470 __	47	1.0 / 100K	75	1,800
SHY 1205-560 __	56	1.0 / 100K	110	1,700
SHY 1205-680 __	68	1.0 / 100K	120	1,500
SHY 1205-820 __	82	1.0 / 100K	140	1,400
SHY 1205-101 __	100	1.0 / 100K	160	1,300
SHY 1205-121 __	120	1.0 / 100K	170	1,100
SHY 1205-151 __	150	1.0 / 100K	230	1,000
SHY 1205-181 __	180	1.0 / 100K	290	900
SHY 1205-221 __	220	1.0 / 100K	400	800
SHY 1205-271 __	270	1.0 / 100K	460	750
SHY 1205-331 __	330	1.0 / 100K	510	680
SHY 1205-391 __	390	1.0 / 100K	690	650
SHY 1205-471 __	470	1.0 / 100K	770	580
SHY 1205-561 __	560	1.0 / 100K	860	540
SHY 1205-681 __	680	1.0 / 100K	1,200	480
SHY 1205-821 __	820	1.0 / 100K	1,340	430
SHY 1205-102 __	1000	1.0 / 100K	1,530	400

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<i>SHY 1207 Series</i>				
Part Number	Inductance (μ H)	Test Condition (Volt / Hz)	DC Resistance Max. ($m\Omega$)	Rated Current Max. (mA)
SHY 1207-1R2 __	1.2	1.0 / 100K	7	9,800
SHY 1207-2R2 __	2.2	1.0 / 100K	11.5	8,000
SHY 1207-3R3 __	3.3	1.0 / 100K	13.5	7,500
SHY 1207-4R7 __	4.7	1.0 / 100K	15.8	6,800
SHY 1207-6R1 __	6.1	1.0 / 100K	18	6,600
SHY 1207-7R6 __	7.6	1.0 / 100K	20	5,900
SHY 1207-100 __	10	1.0 / 100K	21.6	5,800
SHY 1207-120 __	12	1.0 / 100K	24.3	4,900
SHY 1207-150 __	15	1.0 / 100K	27	4,500
SHY 1207-180 __	18	1.0 / 100K	39.2	3,900
SHY 1207-220 __	22	1.0 / 100K	43.2	3,600
SHY 1207-270 __	27	1.0 / 100K	45.9	3,400
SHY 1207-330 __	33	1.0 / 100K	64.8	3,000
SHY 1207-390 __	39	1.0 / 100K	72.9	2,750
SHY 1207-470 __	47	1.0 / 100K	100	2,500
SHY 1207-560 __	56	1.0 / 100K	110	2,350
SHY 1207-680 __	68	1.0 / 100K	140	2,100
SHY 1207-820 __	82	1.0 / 100K	160	1,950
SHY 1207-101 __	100	1.0 / 100K	220	1,700
SHY 1207-121 __	120	1.0 / 100K	250	1,600
SHY 1207-151 __	150	1.0 / 100K	280	1,420
SHY 1207-181 __	180	1.0 / 100K	350	1,300
SHY 1207-221 __	220	1.0 / 100K	390	1,160
SHY 1207-271 __	270	1.0 / 100K	560	1,060
SHY 1207-331 __	330	1.0 / 100K	640	950
SHY 1207-391 __	390	1.0 / 100K	700	880
SHY 1207-471 __	470	1.0 / 100K	980	790
SHY 1207-561 __	560	1.0 / 100K	1,070	730
SHY 1207-681 __	680	1.0 / 100K	1,460	670
SHY 1207-821 __	820	1.0 / 100K	1,640	600
SHY 1207-102 __	1000	1.0 / 100K	1,820	550