

ADB Technology Co., Ltd.

Shielded Construction - SMD /

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

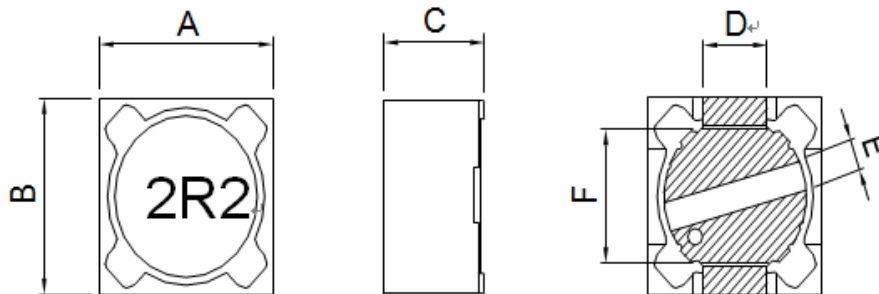
1003
2

2R2
3

M
4

- Series name.
- Dimension. (M=±20%,N=±30%)
- Inductance.
- Tolerance.

Configurations & Dimensions

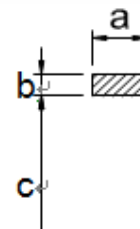


Series Name	A	B	C	D	E	F
SHY 0703	7.3±0.3	7.3±0.3	3.5 max.	1.8±0.2	1.0 typ.	5.0±0.2
SHY 0704	7.3±0.3	7.3±0.3	4.5 max.	1.8±0.2	1.0 typ.	5.0±0.2

Unit: mm

Series Name	a	b	c
SHC 0703	2.2	1.6	4.8
SHC 0704	2.2	1.6	4.8

Unit: mm



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Shielded Construction - SMD / SHY Series

Electrical Characteristics

SHY 0703 Series				
Part Number	Inductance (μ H)	Test Condition (Volt / Hz)	DC Resistance Max. (m)	Rated Current Max. (mA)
SHY 0703-1R5 __	1.5	1.0 / 100K	26	3,000
SHY 0703-2R2 __	2.2	1.0 / 100K	30	2,800
SHY 0703-3R3 __	3.3	1.0 / 100K	35	2,500
SHY 0703-4R7 __	4.7	1.0 / 100K	39	2,200
SHY0703-5R6 __	5.6	1.0 / 100K	49	2,000
SHY 0703-6R8 __	6.8	1.0 / 100K	53	1,900
SHY 0703-8R2 __	8.2	1.0 / 100K	58	1,800
SHY 0703-100 __	10	1.0 / 100K	72	1,680
SHY 0703-120 __	12	1.0 / 100K	98	1,520
SHY 0703-150 __	15	1.0 / 100K	130	1,330
SHY 0703-180 __	18	1.0 / 100K	140	1,200
SHY 0703-220 __	22	1.0 / 100K	190	1,070
SHY 0703-270 __	27	1.0 / 100K	210	960
SHY 0703-330 __	33	1.0 / 100K	240	910
SHY 0703-390 __	39	1.0 / 100K	320	770
SHY 0703-470 __	47	1.0 / 100K	360	760
SHY 0703-560 __	56	1.0 / 100K	470	680
SHY 0703-680 __	68	1.0 / 100K	520	610
SHY 0703-820 __	82	1.0 / 100K	690	570
SHY 0703-101 __	100	1.0 / 100K	790	500
SHY 0703-121 __	120	1.0 / 100K	890	490
SHY 0703-151 __	150	1.0 / 100K	1,270	430
SHY 0703-181 __	180	1.0 / 100K	1,450	390
SHY 0703-221 __	220	1.0 / 100K	1,650	350
SHY 0703-271 __	270	1.0 / 100K	2,310	320
SHY 0703-331 __	330	1.0 / 100K	2,620	280
SHY 0703-391 __	390	1.0 / 100K	2,940	260
SHY 0703-471 __	470	1.0 / 100K	4,180	240
SHY 0703-561 __	560	1.0 / 100K	4,670	220
SHY 0703-681 __	680	1.0 / 100K	5,730	190
SHY 0703-821 __	820	1.0 / 100K	6,540	180
SHY 0703-102 __	1000	1.0 / 100K	9,440	160

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Shielded Construction - SMD / SHY Series

Electrical Characteristics

<i>SHY 0704 Series</i>				
Part Number	Inductance (μ H)	Test Condition (Volt / Hz)	DC Resistance Max. (m Ω)	Rated Current Max. (mA)
SHY 0704-1R5 __	1.5	1.0 / 100K	25	4,000
SHY 0704-2R2 __	2.2	1.0 / 100K	28	3,600
SHY 0704-3R3 __	3.3	1.0 / 100K	30	3,500
SHY 0704-4R7 __	4.7	1.0 / 100K	33	3,300
SHY 0704-5R6 __	5.6	1.0 / 100K	34	3,000
SHY 0704-6R8 __	6.8	1.0 / 100K	38	2,800
SHY 0704-8R2 __	8.2	1.0 / 100K	43	2,600
SHY 0704-100 __	10	1.0 / 100K	60	2,000
SHY 0704-120 __	12	1.0 / 100K	70	1,710
SHY 0704-150 __	15	1.0 / 100K	81	1,470
SHY 0704-180 __	18	1.0 / 100K	91	1,310
SHY 0704-220 __	22	1.0 / 100K	120	1,230
SHY 0704-270 __	27	1.0 / 100K	150	1,120
SHY 0704-330 __	33	1.0 / 100K	170	960
SHY 0704-390 __	39	1.0 / 100K	230	910
SHY 0704-470 __	47	1.0 / 100K	260	880
SHY 0704-560 __	56	1.0 / 100K	350	750
SHY 0704-680 __	68	1.0 / 100K	380	690
SHY 0704-820 __	82	1.0 / 100K	430	610
SHY 0704-101 __	100	1.0 / 100K	610	600
SHY 0704-121 __	120	1.0 / 100K	660	520
SHY 0704-151 __	150	1.0 / 100K	880	460
SHY 0704-181 __	180	1.0 / 100K	980	420
SHY 0704-221 __	220	1.0 / 100K	1,170	360
SHY 0704-271 __	270	1.0 / 100K	1,640	340
SHY 0704-331 __	330	1.0 / 100K	1,860	320
SHY 0704-391 __	390	1.0 / 100K	2,850	290
SHY 0704-471 __	470	1.0 / 100K	3,010	260
SHY 0704-561 __	560	1.0 / 100K	3,620	230
SHY 0704-681 __	680	1.0 / 100K	4,630	220
SHY 0704-821 __	820	1.0 / 100K	5,200	200
SHY 0704-102 __	1000	1.0 / 100K	6,000	180