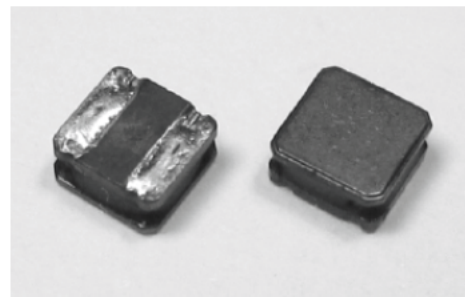


## SSDB Series (Shielded Type)

### Series SSDB 3010/3015

#### Applications

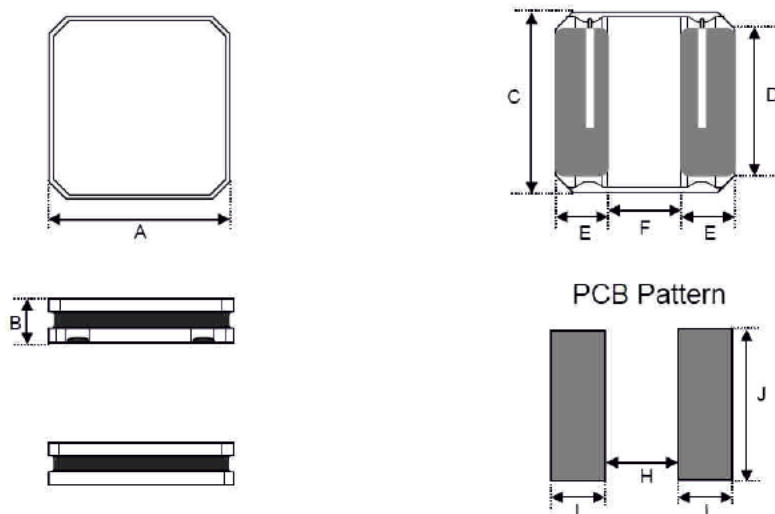
- Watches, Toys Camera, Electronic Thermometers.
- Portable communication equipment.
- DC/DC converters, etc.
- Power supply for VTRs.
- Other various electronic appliances.



#### Features

- Compact, low profile with low Rdc and large current.
- With magnetic shielded against radiation.
- Flat bottom surface allows reliable mounting onto the board.
- Available on tape and reel for auto surface mounting.

#### Dimensions (mm)



Series	A	B (max.)	C	D (max.)	E	F	H	I	J
SSDB3010	3,00±0,10	1,00	3,00±0,10	2,90	0,90±0,20	1,20±0,20	1,20	1,00	2,80
SSDB3015	3,00±0,10	1,50	3,00±0,10	2,90	0,90±0,20	1,20±0,20	1,20	1,00	2,80

**SSDB Series** (Shielded Type)

**Electrical Characteristic**
**SSDB 3010/ 3015 Type**

Inductance value code	L (μH)	DC Resistance (Ω)				SRF (MHz) Min.		I <sub>rms</sub> (A)				I <sub>sat</sub> (A)			
		3010		3015				3010		3015		3010		3015	
		Typ.	Max	Typ.	Max	3010	3015	Typ.	Max	Typ.	Max	Typ.	Max	Typ.	Max
1R0M	1,0	0,065	0,078	0,040	0,048	180	145	1,700	1,525	2,350	2,100	1,950	1,700	2,350	2,100
1R5M	1,5	0,080	0,096	0,055	0,066	140	130	1,650	1,470	2,100	1,900	1,600	1,400	2,000	1,800
1R2M	2,2	0,095	0,114	0,060	0,072	100	90	1,450	1,270	1,800	1,600	1,450	1,250	1,650	1,480
3R3M	3,3	0,160	0,192	0,093	0,112	80	75	1,300	1,130	1,600	1,450	1,050	0,900	1,400	1,210
4R7M	4,7	0,190	0,228	0,113	0,136	60	65	1,100	0,925	1,400	1,250	0,950	0,850	1,200	1,080
5R6M	5,6	0,285	0,342	-	-	55	-	0,950	0,820	-	-	0,820	0,720	-	-
6R8M	6,8	0,300	0,360	0,176	0,211	50	50	0,850	0,710	1,100	0,900	0,760	0,660	1,050	0,900
100M	10,0	0,450	0,540	0,234	0,276	45	45	0,720	0,630	1,000	0,870	0,610	0,530	0,880	0,750
150M	15,0	0,740	0,888	0,352	0,422	35	33	0,560	0,475	0,800	0,650	0,480	0,420	0,680	0,580
220M	22,0	0,980	1,176	0,510	0,622	25	28	0,500	0,430	0,600	0,550	0,420	0,360	0,580	0,470
330M	33,0	1,550	1,860	0,799	0,959	24	22	0,415	0,345	0,500	0,450	0,340	0,280	0,460	0,390
470M	47,0	2,000	2,400	1,172	1,406	19	18	0,320	0,270	0,400	0,400	0,270	0,240	0,380	0,320
101M	100,0	-	-	2,433	2,920	-	11	-	-	0,290	0,250	-	-	0,270	0,230

## Notes:

1. Test Frequency: 1MHZ/0,1V

2. 2. Test equipment:

L/Q: HP 4286A

DC Resistance: HP 4286A, Ch16502

3a). I<sub>rms</sub>: base on temp. Rise 40°C Typ3b). I<sub>sat</sub>: base on ΔL/LOA=30%Typ..

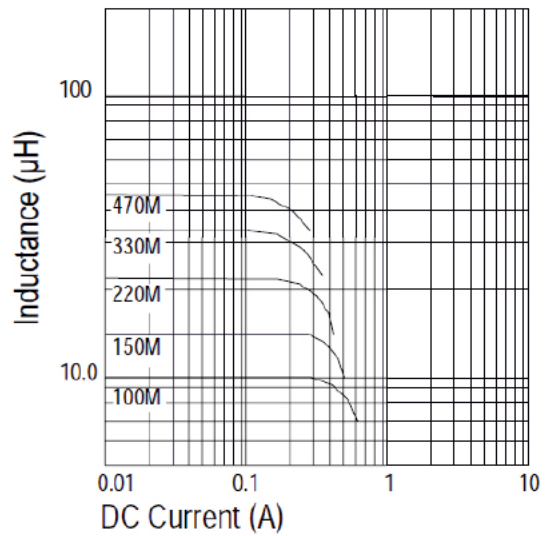
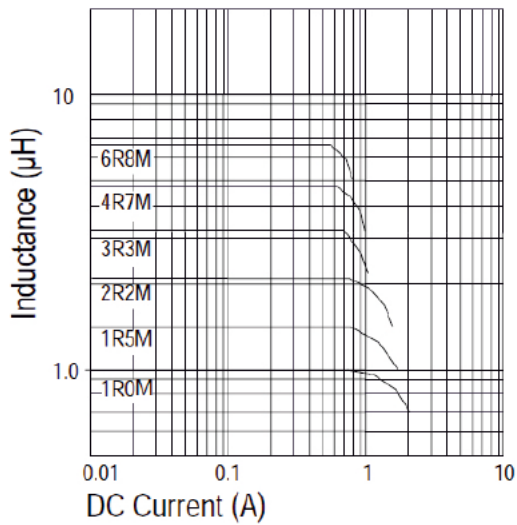
4. Operating temperature range: 40°C~+125°C /including self temperature rise)

## SSDB Series (Shielded Type)

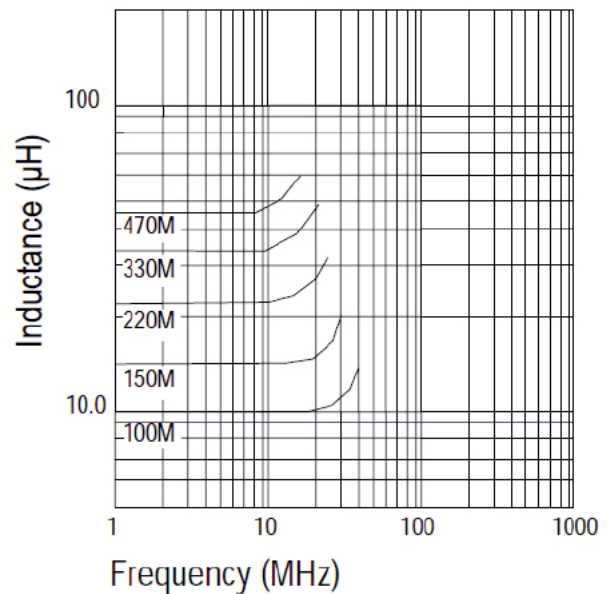
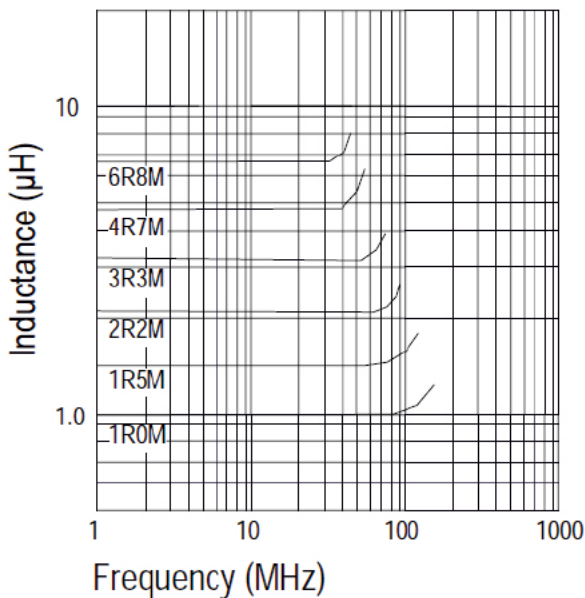
SSDB 3010

Rating Curves (SSDB3010)

### L vs Current



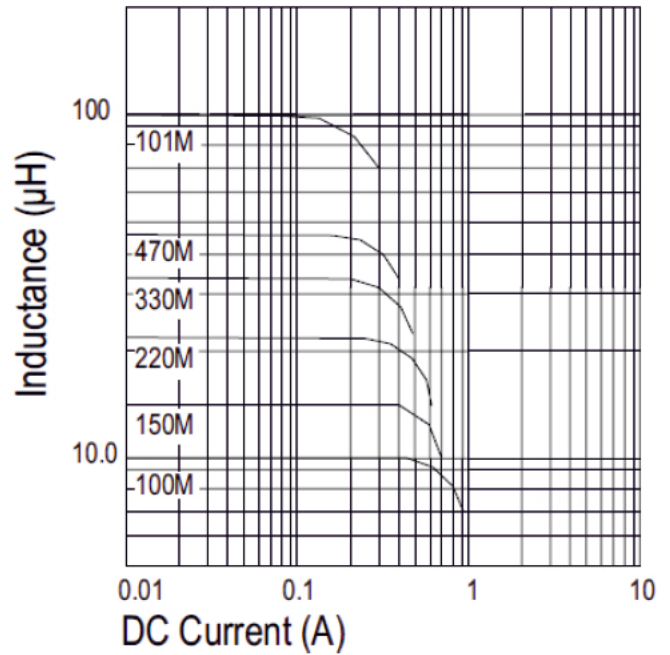
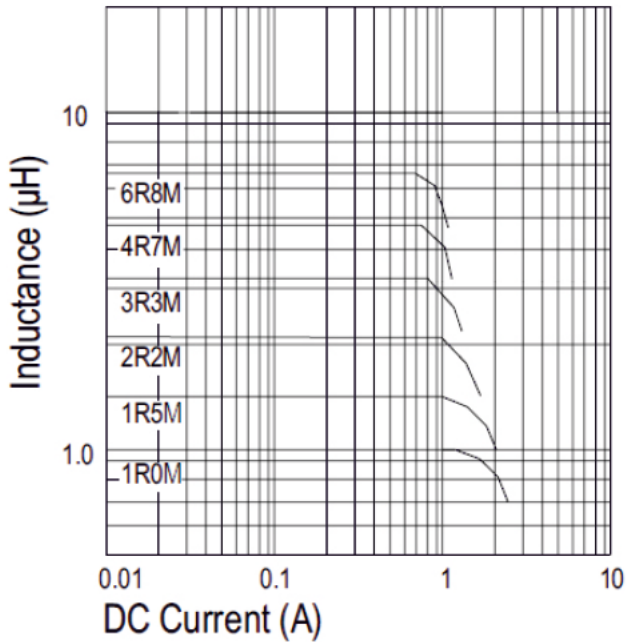
### L vs Frequency



**SSDB 3015**

**Rating Curves (SSDB3015)**

**L vs Current**



**L vs Frequency**

