

### APS- B Series

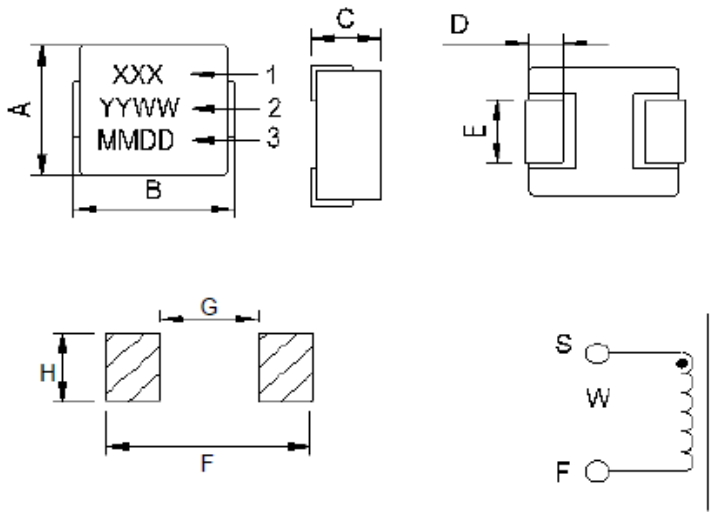
#### Features

- Low profile
- Low DCR
- High frequency to 1MHZ
- Large Current
- Rohs compliant

#### Applications

- Laptop and notebook computers
- DC/DC converter in distributed power systems or VRM applications

#### External Dimensions (Unit:m/m)



Remark:1.Inductance  
2.YY:Year WW:Week  
3.MM:Month DD:Date

TYPE	A	B	C	D	E	F	G	H
APS07B03	6.8max	7.5max	3.0max	1.6±0.3	3.0±0.3	8.4	3.7	3.5
APS10B04	10.4max	11.5max	4.0max	2.2±0.5	3.0±0.5	13.6	5.4	4.1
APS13B35	13.0max	13.8max	3.5max	2.2±0.5	3.0±0.5	14.5	8.0	3.5
APS13B05	13.0max	13.8max	5.0max	2.2±0.5	3.0±0.5	14.5	8.0	3.5

#### Part Number Code

APS 07 B 03 M R10  
A B C D E F

A: Series Name                      Supper Power inductor  
B: Dimensions(mm)                07: 6.8X7.5 10: 10.4X11.5  
C: Metriell                            B TYPE  
D: Thickness(mm)                 03: 3.0 04: 4.0  
E: Tolerance                         M: ±20%  
F: Inductance                        R10=0.1uH

### APS-B Series

Part Number	Ls	DCR (mΩ) MAX		IDC	ISAT	TEST FREQ
	(uH)0A	Typical	Maximum	Dc(A) Typical	Dc(A) Typical	(Hz)
APS07B03MR10	0.10	1.5	1.7	32.5	60.0	100K/0.1V
APS07B03MR15	0.15	1.9	2.5	30.0	45.0	100K/0.1V
APS07B03MR20	0.20	2.4	3.0	24.0	41.0	100K/0.1V
APS07B03MR22	0.22	2.5	2.8	23.0	40.0	100K/0.1V
APS07B03MR33	0.33	3.5	3.9	20.0	30.0	100K/0.1V
APS07B03MR36	0.36	2.6	3.9	20.0	26.0	100K/0.1V
APS07B03MR47	0.47	4.0	4.2	17.5	26.0	100K/0.1V
APS07B03MR56	0.56	4.7	5.0	16.5	25.5	100K/0.1V
APS07B03MR68	0.68	5.0	5.5	15.5	25.0	100K/0.1V
APS07B03MR82	0.82	6.7	8.0	13.0	24.0	100K/0.1V
APS07B03M1R0	1.0	9.0	10.0	11.0	22.0	100K/0.1V
APS07B03M1R5	1.5	14.0	15.0	9.0	18.0	100K/0.1V
APS07B03M2R2	2.2	18.0	20.0	8.0	14.0	100K/0.1V
APS07B03M2R5	2.5	20.0	22.0	7.0	14.0	100K/0.1V
APS07B03M3R3	3.3	28.0	30.0	6.0	13.5	100K/0.1V
APS07B03M4R7	4.7	37.0	40.0	5.5	10.0	100K/0.1V
APS07B03M5R6	5.6	39.0	42.0	5.5	6.0	100K/0.1V
APS07B03M6R8	6.8	54.0	60.0	4.5	8.0	100K/0.1V
APS07B03M7R5	7.5	54.0	60.0	4.2	7.8	100K/0.1V
APS07B03M8R2	8.2	64.0	68.0	4.0	7.5	100K/0.1V
APS07B03M100	10.0	102.0	105.0	3.0	7.0	100K/0.1V

### APS-B Series

Part Number	Ls	DCR (mΩ) MAX		IDC	ISAT	TEST FREQ
	(uH)0A	Typical	Maximum	Dc(A) Typical	Dc(A) Typical	(Hz)
APS10B04MR22	0.22	1.1	1.5	50.0	32.0	100K/0.1V
APS10B04MR36	0.36	1.3	1.4	60.0	31.5	100K/0.1V
APS10B04MR56	0.56	1.7	1.8	49.0	27.5	100K/0.1V
APS10B04M1R0	1.00	3.7	4.1	36.0	17.5	100K/0.1V
APS10B04M1R5	1.50	5.3	5.8	27.5	15.0	100K/0.1V
APS10B04M2R2	2.20	8.2	9.0	25.6	12.0	100K/0.1V
APS10B04M3R3	3.30	10.8	11.8	18.6	10.0	100K/0.1V
APS10B04M4R7	4.70	15.0	16.5	17.0	9.5	100K/0.1V
APS10B04M5R6	5.60	17.6	19.3	16.0	8.5	100K/0.1V
APS10B04M8R2	8.20	21.2	23.2	13.5	8.0	100K/0.1V
APS10B04M100	10.00	33.2	36.5	12.0	6.8	100K/0.1V
APS10B04M150	15.00	85.0	90.0	7.0	3.5	100K/0.1V
APS10B04M220	22.00	116.5	120.0	3.0	2.0	100K/0.1V
APS13B35MR47	0.47	1.6	2.0	55.0	32.0	100K/0.1V
APS13B35MR60	0.60	1.8	2.2	51.0	29.0	100K/0.1V
APS13B35MR68	0.68	2.3	2.5	49.0	28.0	100K/0.1V
APS13B35MR82	0.82	2.6	3.0	44.0	25.0	100K/0.1V
APS13B35M1R0	1.00	3.3	3.5	40.0	24.0	100K/0.1V
APS13B35M1R5	1.50	5.1	5.5	35.0	19.0	100K/0.1V
APS13B35M1R8	1.80	6.5	7.0	30.0	16.5	100K/0.1V
APS13B35M2R2	2.20	7.2	8.0	29.0	16.0	100K/0.1V

### APS-B Series

Part Number	Ls	DCR (mΩ) MAX		IDC	ISAT	TEST FREQ
	(uH)0A	Typical	Maximum	Dc(A) Typical	Dc(A) Typical	(Hz)
APS13B35M3R3	3.30	11.0	12.0	27.0	12.0	100K/0.1V
APS13B35M4R7	4.70	14.3	15.0	24.0	10.0	100K/0.1V
APS13B35M5R6	5.60	18.3	19.0	19.0	9.5	100K/0.1V
APS13B35M6R8	6.80	19.8	22.0	18.0	9.0	100K/0.1V
APS13B35M8R2	8.20	24.8	28.0	16.0	8.5	100K/0.1V
APS13B35M100	10.00	30.4	34.0	14.0	7.0	100K/0.1V
APS13B35M220	22.00	86.1	90.0	4.5	3.0	100K/0.1V
APS13B50MR47	0.47	1.1	1.3	65.0	38.0	100K/0.1V
APS13B50MR82	0.82	2.0	2.3	53.0	31.0	100K/0.1V
APS13B50M1R0	1.00	2.1	2.5	50.0	29.0	100K/0.1V
APS13B50M1R5	1.50	3.4	4.1	48.0	23.0	100K/0.1V
APS13B50M1R8	1.80	4.2	4.9	40.0	19.0	100K/0.1V
APS13B50M2R2	2.20	4.6	5.5	32.0	20.0	100K/0.1V
APS13B50M3R3	3.30	7.7	9.2	32.0	15.0	100K/0.1V
APS13B50M4R7	4.70	12.8	15.0	27.0	12.0	100K/0.1V
APS13B50M5R6	5.60	14.0	16.5	22.0	11.5	100K/0.1V
APS13B50M6R8	6.80	15.4	18.5	21.0	11.0	100K/0.1V
APS13B50M8R2	8.20	18.9	22.5	18.0	9.5	100K/0.1V
APS13B50M100	10.00	21.4	25.5	16.0	9.0	100K/0.1V