



五. Products data sheet

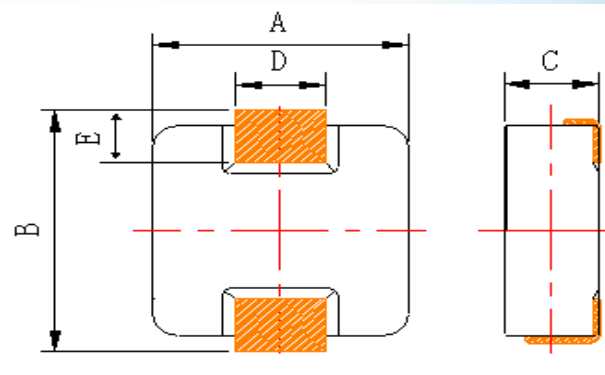
Model	Inductance Range	DCR Max	Rated Current	Dimensions(mm)
DCY0312	0.22 μ H to 1.0 μ H	11.4 m Ω to 38 m Ω	4.5 A to 9.3 A	L=3.6 Max W=3.00 \pm 0.20 H=1.2 Max
DCY0320	0.22 μ H to 1.0 μ H	11.4 m Ω to 24 m Ω	4.5 A to 7.5 A	L=3.6 Max W=3.00 \pm 0.20 H=2.0 Max
DCY0420	0.22 μ H to 2.2 μ H	6.6 m Ω to 58 m Ω	5 A to 12.5 A	L=4.5 Max W=4.00 \pm 0.30 H=2.0 Max
DCY0520	0.10 μ H to 10.0 μ H	3.9 m Ω to 199 m Ω	4 A to 45 A	L=5.49 \pm 0.25 W=5.18 \pm 0.25 H=2.0 Max
DCY0530	0.20 μ H to 4.7 μ H	11 m Ω to 60 m Ω	5 A to 14 A	L=5.15 \pm 0.35 W=5.10 \pm 0.20 H=2.80 \pm 0.20
DCY0624	0.10 μ H to 10.0 μ H	1.5 m Ω to 101 m Ω	2.5 A to 70 A	L=7.3 Max W=6.60 \pm 0.20 H=2.4 Max
DCY0630	0.10 μ H to 10.0 μ H	1.5m Ω to 60 m Ω	8 A to 60 A	L=7.3 Max W=6.60 \pm 0.20 H=3.0 Max
DCY0650	0.20 μ H to 1.2 μ H	0.9 m Ω to 7.5 m Ω	13 A to 50 A	L=7.3 Max W=6.60 \pm 0.20 H=5.0 Max
DCY1030	0.12 μ H to 15.0 μ H	0.65 m Ω to 85 m Ω	6 A to 75 A	L=11.5 Max W=10.0 \pm 0.30 H=3.0 Max
DCY1040	0.15 μ H to 22.0 μ H	0.65 m Ω to 66 m Ω	5.5 A to 75 A	L=11.5 Max W=10.0 \pm 0.30 H=4.0 Max
DCY1050	0.33 μ H to 2.2 μ H	1.0 m Ω to 4.2 m Ω	27A to 42 A	L=11.5 Max W=10.0 \pm 0.30 H=5.0 Max
DCY1350	0.15 μ H to 33.0 μ H	0.55 m Ω to 84 m Ω	6 A to 110 A	L=14.0 Max W=12.9 Max H=5.0 Max



3*3 Series --- 0312

Standard Electrical Specifications

Lo(μ H) $\pm 20\%$	DCR (m Ω) Max	I _{RMS} (Amp)	I _{SAT} (Amp)
0.22	11.4	9.3	9.3
0.33	14.3	7.2	8.7
0.47	19.5	6.4	7.0
0.56	22.0	5.1	6.7
0.68	25.0	4.0	5.5
1.00	38.0	3.0	4.5



DIMENSIONS

No.	A	B	C	D	E
dimensions (mm)	3.0 ± 0.2	3.6max	1.2max	1.0 ± 0.2	0.8 ± 0.3

Naming Rule:

DCY 03 12 - R68 - YT35

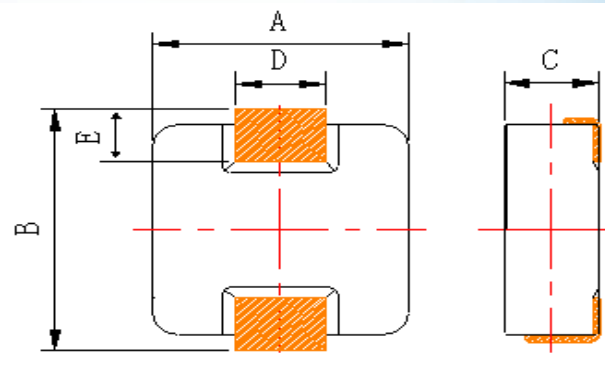
- Material
- Inductance L=0.68 μ H
- The Height Dimensions is 1.2max
- 3*3 series
- The power inductor of DMEGC



4*4 Series --- 0420

Standard Electrical Specifications

Lo(μ H) $\pm 20\%$	DCR (m Ω) Max	I _{RMS} (Amp)	I _{SAT} (Amp)
0.22	7.0	9	12.5
0.47	14	7.0	9.5
0.56	16	6.5	10
0.68	21	5.2	8
1.00	27	4.5	7.0
1.50	46	4	6
2.20	58	3	5

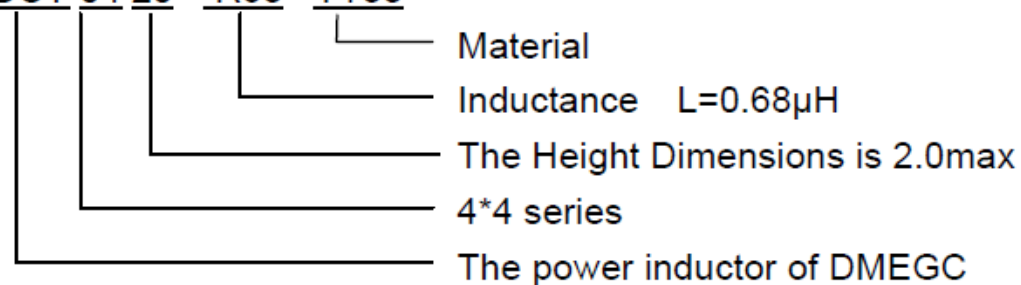


DIMENSIONS

No.	A	B	C	D	E
dimensions (mm)	4.0 \pm 0.3	4.5max	2.0max	1.5 \pm 0.3	0.8 \pm 0.3

Naming Rule:

DCY 04 20 - R68 - YT35

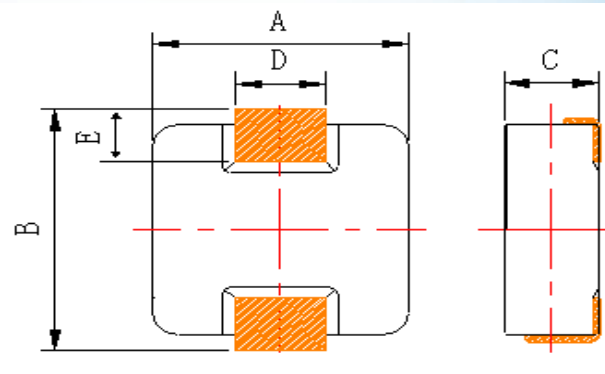




5*5 Series --- 0530

Standard Electrical Specifications

Lo(μ H) $\pm 20\%$	DCR (m Ω) Max	I _{RMS} (Amp)	I _{SAT} (Amp)
0.20	2.31	18.0	21
0.35	4.29	16.6	14.9
0.75	9.35	11.3	9.7
1.00	11.44	10.1	8.5
1.50	25	6	10
2.20	35	5.5	9.0
3.30	38	5	7
4.70	60	3	5



DIMENSIONS

No.	A	B	C	D	E
dimensions (mm)	5.10 \pm 0.2	5.15 \pm 0.35	2.8 \pm 0.2	1.5 \pm 0.3	1.0 \pm 0.3

Naming Rule:

DCY 05 30 - 1R0 - YT35

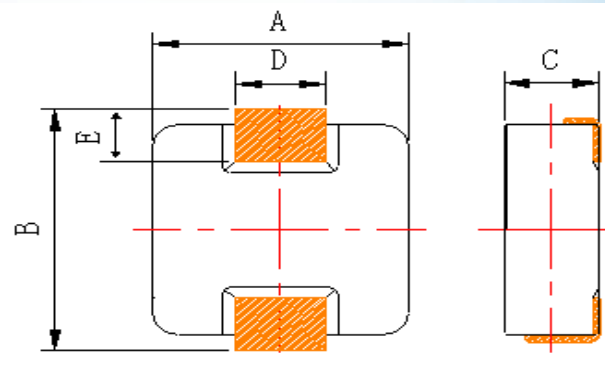
- Material
- Inductance L=1.0 μ H
- The Height Dimensions is 3.0max
- 5*5 series
- The power inductor of DMEGC



7*7 Series --- 0730

Standard Electrical Specifications

Lo(μ H) $\pm 20\%$	DCR (m Ω) Max	I _{RMS} (Amp)	I _{SAT} (Amp)
0.47	4.2	17.5	26
0.68	5.5	15.5	25
0.82	8.0	13	24
1.00	10	11	22
1.50	15	9	18
2.20	20	8	14
3.30	30	6	13.5
4.70	40	5.5	10
6.80	60	4.5	8
8.20	68	4	7.5
10.0	85	3	7

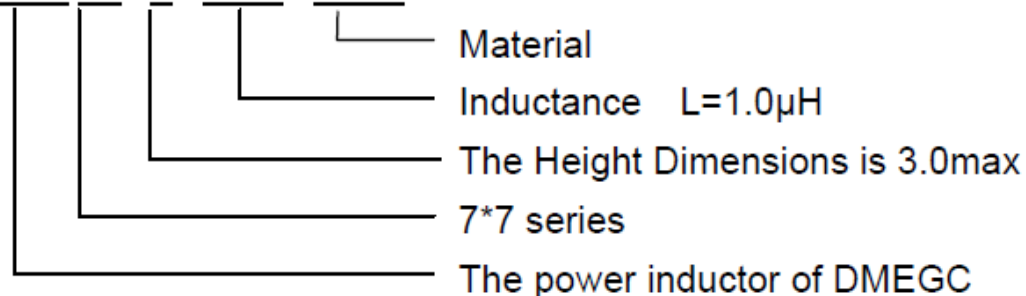


DIMENSIONS

No.	A	B	C	D	E
dimensions (mm)	6.6 ± 0.2	7.3 max	3.0 max	3.0 ± 0.3	1.6 ± 0.3

Naming Rule:

DCY 07 30 - 1R0 -YT35

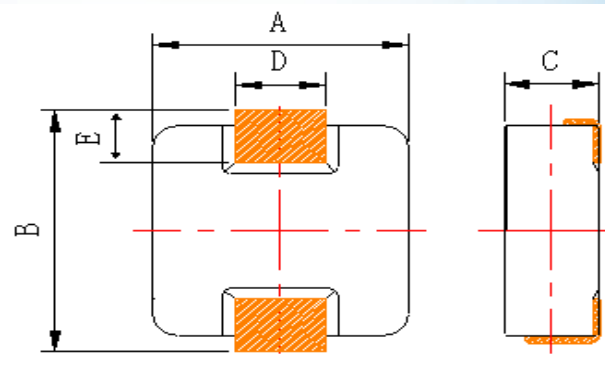




10*10 Series --- 1040

Standard Electrical Specifications

Lo(μ H) $\pm 20\%$	DCR (m Ω) Max	I _{RMS} (Amp)	I _{SAT} (Amp)
0.36	1.2	30	42
0.45	1.3	29	36
0.56	1.8	25	32
0.9	2.5	22	28
1.0	3.3	18	28
1.5	4.2	16	32
2.2	7	12	18
3.3	11.8	10	16
4.7	20	8.5	15
10.0	30.0	7.5	8.5
22.0	66.0	5.0	5.5



DIMENSIONS

No.	A	B	C	D	E
dimensions (mm)	10.0 \pm 0.3	11.5 max	4.0 max	3.0 \pm 0.5	2.0 \pm 0.5

Naming Rule:

DCY 10 40 - 1R0 - YT35

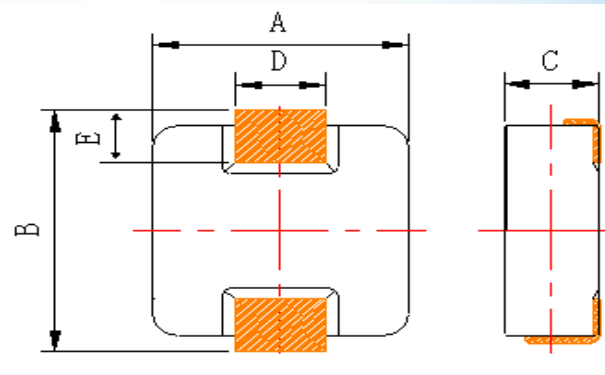
- Material
- Inductance L=1.0 μ H
- The Height Dimensions is 4.0max
- 10*10 series
- The power inductor of DMEGC



13*13 Series --- 1350

Standard Electrical Specifications

Lo(μ H) $\pm 20\%$	DCR (m Ω) Max	I _{RMS} (Amp)	I _{SAT} (Amp)
0.22	1.0	51	110
0.47	1.3	38	65
0.56	1.5	36	55
0.68	1.7	34	53
0.82	2.1	31	52
1.00	2.5	29	50
1.50	4.1	23	48
2.20	5.5	20	32
3.30	9.2	15	32
4.70	15	12	27
33.0	84	3.5	6



DIMENSIONS

No.	A	B	C	D	E
dimensions (mm)	12.9max	14.0 max	5.0 max	4.0 \pm 0.5	2.0 \pm 0.5

Naming Rule:

DCY 13 50 - 1R0 - YT35

