ELECTRONIC COMPANY

SMD POWER INDUCTOR

DMC SERIES

FEATURES/APPLICATOINS

RoHS compliant.
Super low resistance, ultra high current rating.
High performance (Isat) realized by metal dust core.
Frequency Range: up to 1MHz.
PDA, notebook, desktop, and server applications.
Low profile, high current power supplies.
Battery powered devices.
DC/DC converters in distributed power systeM.
DC/DC converters for field programmable gate array.

PRODUCT INDICATION

DMC 0603 – 470 M S

① ② ③ ④ ⑤

①Product type: DMC- type

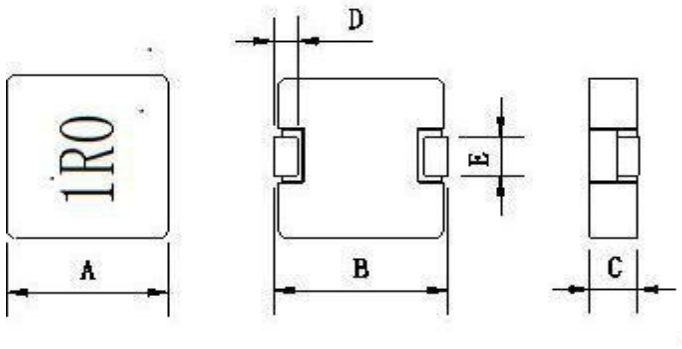
②External dimension：0603 for Diameter 6.6mm，3 for Height 3.0mm

③Electrical code：470 for 47μH

④Tolerance：M for ±20%

⑤Material Code：S , F or No Code

SHAPE AND DIMENSIONS



Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
DMC0402-	4.06±0.30	4.45±0.40	2.0MAX	1.1±0.3	2.0±0.2
DMC0502-	5.18±0.3	5.45±0.4	2.0MAX	1.2±0.3	2.3±0.2
DMC0503-	5.18±0.3	5.45±0.4	3.0MAX	1.2±0.3	2.3±0.2
DMC0612-	6.6±0.2	7.4MAX	1.2MAX	1.6±0.3	3.0±0.2

Series	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
DMC0602-	6.6±0.2	7.4MAX	2.0 max	1.6±0.3	3.0±0.2
DMC0624-	6.6±0.2	7.4MAX	2.4MAX	1.6±0.3	3.0±0.2
DMC0603-	6.6±0.2	7.4MAX	3.0MAX	1.6±0.3	3.0±0.2
DMC0604-	6.6±0.2	7.6MAX	4.0MAX	1.6±0.3	3.0±0.2
DMC0605-	6.6±0.2	7.6MAX	5.0MAX	1.6±0.3	3.0±0.2
DMC0805-	8.0±0.3	9.0MAX	5.0MAX	1.8±0.3	3.0±0.2
DMC1004/45	10.3±0.2	10.5±1.0	4.0MAX 4.5MAX	2.0±0.5	3.0±0.3
DMC1005-	10.3±0.2	10.5±1.0	5.0MAX	2.0±0.5	3.0±0.3
DMC1204-	12.8±0.5	13.2±1.0	4.0MAX	2.5±0.5	3.8±0.2
DMC1205-	12.8±0.5	13.2±1.0	5.0MAX	2.5±0.5	3.8±0.2
DMC1206/65-	12.8±0.5	13.2±1.0	6.0MAX/ 6.5MAX	2.5±0.5	3.8±0.2
DMC1707-	17.15MAX	17.5±1.0	7.0MAX	2.5±0.5	11.94±0.3

Electrical Characteristics DMC0420- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0402-R10M	0.1	11.0	28.0	3.0	5.0
DMC0402-R22M	0.22	8.0	14.0	4.4	6.0
DMC0402-R36M	0.36	6.0	11.0	7.4	9.8
DMC0402-R47M	0.47	5.0	9.0	18.0	22.0
DMC0402-R56M	0.56	4.5	9.0	20.0	24.0
DMC0402-R68M	0.68	4.5	8.0	22.0	29.0
DMC0402-1R0M	1.0	4.0	7.0	25.0	30.0
DMC0402-1R2M	1.2	4.0	7.0	33.0	39.6
DMC0402-1R5M	1.5	4.0	6.5	35.0	42.0
DMC0402-2R2M	2.2	3.0	5.5	56.0	70.0
DMC0402-3R3M	3.3	2.5	4.5	83.0	100.0
DMC0402-4R7M	4.7	2.2	4.0	100.0	120.0
DMC0402-6R8M	6.8	1.5	3.0	148.0	178.0
DMC0402-8R2M	8.2	1.0	2.2	241.0	180.0
DMC0402-100M	10	1.0	2.0	260.0	294.0

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 20%

Electrical Characteristics DMC0502- Series

Part Number	L0 Inductance (μH) ±20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0502-R10M	0.1	13.0	25.0	2.1	2.7
DMC0502-R22M	0.22	9.0	18.0	4.3	5
DMC0502-R33M	0.33	7.0	13	8.4	9.5
DMC0502-R47M	0.47	6.5	12.5	10.5	13.0
DMC0502-R68M	0.68	6.0	12	14.0	17.0
DMC0502-1R0M	1	4.5	9.0	16	19.2
DMC0502-2R2M	2.2	4.0	7.0	31.5	38.0
DMC0502-3R3M	3.3	3.5	6.5	58	70.0
DMC0502-4R7M	4.7	3.0	5.0	80	96
DMC0502-5R6M	5.6	2.5	4.5	90	108.0
DMC0502-6R8M	6.8	2.2	4	114	137.0
DMC0502-100M	10	1.8	3.2	148	178.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 20%

Electrical Characteristics DMC0503- Series

Part Number	LO Inductance (μH) ±20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0503-R68M	0.68	7.0	14.0	9.0	11.0
DMC0503-1R0M	1	6.0	12.0	10.0	12.0
DMC0503-1R2M	1.2	6.0	10.0	11.0	14.0
DMC0503-1R5M	1.5	5.0	9.0	11.0	14.0
DMC0503-2R2M	2.2	5.0	9.0	27.0	32.5
DMC0503-3R3M	3.3	4.5	8.0	32.0	38.0
DMC0503-4R7M	4.7	3.0	6.0	53.0	64.0
DMC0503-6R8M	6.8	2.5	5.0	80.0	100.0
DMC0503-100M	10	2.0	3.0	110.0	132.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 20%

Electrical Characteristics DMC0612- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0612-R56M	0.56	6.0	11.0	13.5	16.0
DMC0612-R68M	0.68	5.5	10.0	14.7	17.0
DMC0612-R82M	0.82	5.0	9.0	19.1	22.0
DMC0612-1R0M	1.0	6.0	7.0	22.3	26.0
DMC0612-2R2M	2.2	3.5	5.0	64.0	67.0
DMC0612-3R3M	3.3	3.0	4.0	80	92.0
DMC0612-4R7M	4.7	2	3.5	120.0	130.0
DMC0612-100M	10.0	1.5	2.5	195.0	234.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 20%

Electrical Characteristics DMC0602- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0602-R10M	0.1	16.0	30.0	2.5	3.5
DMC0602-R33M	0.33	13.0	24.0	5.6	6.8
DMC0602-R47M	0.47	10.0	22.0	6.4	8.0
DMC0602-R68M	0.68	8.0	14.0	10.0	12.0
DMC0602-1R0M	1.0	6.0	10.0	16.0	19.2
DMC0602-1R5M	1.5	5.5	10.0	22.0	27.0
DMC0602-2R2M	2.2	5.0	9.0	30.0	36.0
DMC0602-3R3M	3.3	4.5	8.0	65.0	78.0
DMC0602-4R7M	4.7	4.0	7.0	73.0	88.0
DMC0602-6R8M	6.8	3.5	5.0	114.0	160.0
DMC0602-100M	10	2	4.0	147.0	180.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 20%

Electrical Characteristics DMC0624- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0624-R47M	0.47	10.0	18.0	5.6	6.5
DMC0624-R68M	0.68	9.0	16.0	7.9	9.4
DMC0624-R82M	0.82	8.0	12.0	8.7	11.8
DMC0624-1R0M	1.0	7.5	12.0	9.0	12.0
DMC0624-1R5M	1.5	7.0	10.0	23.5	28.0
DMC0624-2R2M	2.2	6.0	9.0	26.0	34.0
DMC0624-3R3M	3.3	5.5	9.0	29.0	35.0
DMC0624-4R7M	4.7	5.0	8.0	41.0	50.0
DMC0624-6R8M	6.8	3.0	6.0	52.0	63.0
DMC0624-8R2M	8.2	2.5	5.0	81.0	96.0
DMC0624-100M	10.0	2.0	4.0	81.0	96.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 20%

Electrical Characteristics DMC0603- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0603-R10M	0.1	20	40	1.6	2
DMC0603-R20M	0.2	18.0	34.0	2.1	3.0
DMC0603-R33M	0.33	16.0	30.0	2.4	3.5
DMC0603-R47M	0.47	14	22.0	3.3	4
DMC0603-R68M	0.68	12.0	18.0	4.8	5.8
DMC0603-R82M	0.82	8.0	16.0	6.8	8.2
DMC0603-1R0M	1.0	7.0	15.0	8.6	10
DMC0603-1R5M	1.5	6.5	13.0	9	12.0
DMC0603-2R2M	2.2	6.0	10.0	13	16.0
DMC0603-3R3M	3.3	5.5	9	18.0	22.0
DMC0603-4R7M	4.7	5	8.0	32.0	38.0
DMC0603-5R6M	5.6	4.5	7.0	44.0	50.0
DMC0603-6R8M	6.8	4	7.0	45.0	54.0
DMC0603-8R2M	8.2	3.0	6.0	60.0	70.0
DMC0603-100M	10.0	3.0	5.5	63.0	76.0
DMC0603-150M	15.0	2.5	4.5	108.0	130.0
DMC0603-220M	22.0	2	4.0	127.0	152.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC0604- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0604-R47M	0.47	12	22.0	3.4	4.0
DMC0604-R68M	0.68	10.0	20.0	4.9	5.3
DMC0604-R82M	0.82	13.0	18.0	5.9	7.0
DMC0604-1R0M	1.0	12.0	18.0	5.5	6.0
DMC0604-1R5M	1.5	7.0	15.0	9	10.8
DMC0604-2R2M	2.2	6.0	12.0	10.0	13.0
DMC0604-3R3M	3.3	5.5	11.0	13.5	16.0
DMC0604-4R7M	4.7	5.0	9.0	18.0	22.0
DMC0604-6R8M	6.8	4.0	8.0	41.0	49.0
DMC0604-8R2M	8.2	3.5	7.0	44.0	50.0
DMC0604-100M	10.0	3	6.0	51.0	65.0
DMC0604-150M	15	2.5	5.5	64.0	77.0
DMC0604-220M	22.0	2	4.0	98.0	117.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC0605- Series

Part Number	LO Inductance (μH) ±20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0605-R47M	0.47	14.0	24.0	3.1	4.0
DMC0605-R56M	0.56	12.0	20.0	4.0	4.8
DMC0605-R68M	0.68	11.0	20.0	4.6	5.0
DMC0605-R82M	0.82	10.0	18.0	6.0	6.8
DMC0605-1R0M	1.0	9.0	16.0	6.0	7.2
DMC0605-1R5M	1.5	8.0	14.0	7.0	8.5
DMC0605-2R2M	2.2	7.0	14.0	10.5	13.0
DMC0605-3R3M	3.3	6.0	12.0	13.0	16.0
DMC0605-4R7M	4.7	5.0	10.0	17.0	20.0
DMC0605-6R8M	6.8	4.5	8.0	22.0	26.4
DMC0605-8R2M	8.2	4.0	8.0	35.0	41.0
DMC0605-100M	10.0	3.5	7.0	37.0	45.0
DMC0605-150M	15.0	3.0	5.0	54.0	65.0
DMC0605-220M	22.0	2.5	5.0	80.0	96.0
DMC0605-330M	33.0	2.0	4.0	113.0	136.0
DMC0605-470M	47.0	1.5	2.5	155.0	186.0
DMC0605-680M	68.0	1.2	2.0	268.0	322.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC0805- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC0805-1R0M	1	11.0	22.0	4.7	5.6
DMC0805-2R2M	2.2	8.0	16.0	10.0	12.0
DMC0805-4R7M	4.7	8.0	14.0	17.0	20.0
DMC0805-6R8M	6.8	6.0	10.0	18.6	23.0
DMC0805-100M	10.0	4.5	8.0	30.0	36.0
DMC0805-220M	22	4.0	7.0	108.0	130.0
DMC0805-330M	33	3.0	5.0	124.0	140.0
DMC0805-470M	47	2.5	4.0	160.0	192.0
DMC0805-560M	56	2.0	3.5	170.0	187.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC1004- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC1004-R22M	0.22	30.0	54.0	0.8	1.0
DMC1004-R36M	0.36	25.0	40.0	1	1.2
DMC1004-R47M	0.47	20.0	35.0	1.1	1.4
DMC1004-R56M	0.56	20.0	35.0	1.6	1.9
DMC1004-R68M	0.68	15.0	30.0	1.6	1.9
DMC1004-R82M	0.82	14.0	28.0	1.6	1.9
DMC1004-1R0M	1.0	13.0	26.0	2.0	2.4
DMC1004-1R5M	1.5	12.0	22.0	4.4	5.3
DMC1004-2R2M	2.2	12.0	20.0	7.2	9.0
DMC1004-3R3M	3.3	11.0	18.0	9.5	11.5
DMC1004-4R7M	4.7	8.0	13.0	12.0	15.0
DMC1004-5R6M	5.6	7.0	12.0	16.0	19.2
DMC1004-6R8M	6.8	6.0	11.0	23	27.0
DMC1004-8R2M	8.2	6.0	10.0	27.0	32.0
DMC1004-100M	10.0	5.0	10.0	33	40.0
DMC1045-150M	15.0	4.5	9.0	49	59.0
DMC1045-220M	22.0	4.0	7.0	60	72.0
DMC1045-330M	33.0	2.5	5.0	87	105.0
DMC1045-470M	47.0	2.5	5.0	127	145.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC1005- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC1005-R82M	0.82	18.0	34.0	1.8	2.2
DMC1005-1R0M	1.0	16.0	28.0	2.1	2.5
DMC1005-1R2M	1.2	15.0	25.0	2.3	2.8
DMC1005-1R5M	1.5	13.0	21	2.6	3.1
DMC1005-2R2M	2.2	11.0	21	5	6.0
DMC1005-3R3M	3.3	10.0	16	5.8	7.0
DMC1005-4R7M	4.7	9.0	14	8.7	10.4
DMC1005-5R6M	5.6	8	14	10	12.0
DMC1005-6R8M	6.8	7.0	13	17	22.0
DMC1005-8R2M	8.2	7.0	12	22	25.0
DMC1005-100M	10.0	6	12	23	28.0
DMC1005-150M	15.0	5.0	9.0	33.0	42.0
DMC1005-220M	22.0	4.5	8.0	58.0	70.0
DMC1005-330M	33.0	4.0	6	85.0	102.0
DMC1005-470M	47.0	3.5	6.0	127.0	152.0
DMC1005-680M	68.0	3.0	6.0	215.0	258.0
DMC1005-101M	100.0	2.5	4.0	230	279.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC1204- Series

Part Number	LO Inductance (μH) ± 20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC1204-R22M-C/B	0.22	35.0	55	0.8	1.0
DMC1204-R33M-C/B	0.33	30.0	50	1.2	1.4
DMC1204-R47M-C/B	0.47	25.0	45.0	1.3	1.6
DMC1204-R56M-C/B	0.56	22.0	42.0	1.5	1.8
DMC1204-R68M-C/B	0.68	20.0	40.0	1.7	2
DMC1204-1R0M	1.0	14.0	26.0	2.7	3.2
DMC1204-1R5M	1.5	13.0	25.0	4.4	5.3
DMC1204-2R2M	2.2	16.0	22.0	4.4	5.7
DMC1204-3R3M	3.3	15.0	20.0	6.7	8.0
DMC1204-4R7M	4.7	10.0	18.0	14.5	17.5
DMC1204-5R6M	5.6	8.0	16.0	14.5	17.4
DMC1204-6R8M	6.8	7.0	14.0	19.0	21.4
DMC1204-100M	10	6.0	12.0	19.4	34.0
DMC1204-220M	10.0	4.0	7.0	49.0	58.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC1205- Series

Part Number	L0 Inductance (μH) ±20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC1205-R36M	0.36	30.0	55.0	0.82	1
DMC1205-R47M	0.47	25.0	45.0	0.9	1.1
DMC1205-R56M	0.56	24.0	40.0	0.9	1.1
DMC1205-R68M	0.68	23.0	38.0	1.0	1.2
DMC1205-R82M	0.82	22.0	35.0	1.7	2.2
DMC1205-1R0M	1.0	20.0	34.0	2.1	2.5
DMC1205-1R2M	1.2	15.0	30.0	2.1	2.6
DMC1205-1R5M	1.5	15.0	30.0	2.6	3.1
DMC1205-2R2M	2.2	13.0	25.0	5.0	6.0
DMC1205-3R3M	3.3	12.0	24.0	6.3	7.6
DMC1205-4R7M	4.7	10.0	20.0	7.5	9.0
DMC1205-5R6M	5.6	9.0	18.0	8.3	10.5
DMC1205-6R8M	6.8	7.5	14.0	12.0	14.4
DMC1205-8R2M	8.2	6.5	12.0	18.5	24.0
DMC1205-100M	10.0	7.0	15.0	19.5	24.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC1206- Series

Part Number	LO Inductance (μH) ±20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC1206-R68M	0.68	30.0	45.0	1.1	1.8
DMC1206-R82M	0.82	25.0	40.0	1.5	2.4
DMC1206-1R0M	1.0	24.0	40.0	2.2	2.6
DMC1206-1R5M	1.5	20.0	30.0	2.6	3.0
DMC1206-2R2M	2.2	18.0	28.0	5.0	6.0
DMC1206-3R3M	3.3	15.0	28.0	5.4	6.5
DMC1206-4R7M	4.7	14.0	24.0	7.5	9.0
DMC1206-5R6M	5.6	12.0	20.0	7.7	10.0
DMC1206-6R8M	6.8	10.0	16.0	8.4	10.0
DMC1206-8R2M	8.2	9.0	15.0	10.9	13.0
DMC1265-100M	10.0	8.0	13.0	12.0	14.4
DMC1265-150M	15.0	7.0	12.0	18.0	22.0
DMC1265-220M	22.0	6.0	10.0	30.0	36.0
DMC1265-330M	33.0	5.0	9.0	38.0	46.0
DMC1265-470M	47.0	4.0	6.0	50.0	65.0
DMC1265-680M	68.0	3.0	5.5	96.0	115.0
DMC1265-820M	82.0	2.5	4.5	101.0	121.0
DMC1265-101M	100.0	2.0	4.0	122.0	147.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

Electrical Characteristics DMC1707- Series

Part Number	LO Inductance (μH) ±20%	Heat Rating Current IrM(A)	Saturation Current Isat (A)	DCR(mΩ)	
				TYP.	MAX.
DMC1707-1R5M	1.5	40.0	65.0	1.30	1.90
DMC1707-2R2M	2.2	35.0	60.0	2.1	2.5
DMC1707-4R7M	4.7	20.0	37.0	3.9	5.0
DMC1707-6R8M	6.8	18.0	30.0	5.7	6.90
DMC1707-8R2M	8.2	12.0	24.0	7	8.4
DMC1707-100M	10.0	10.0	17.0	7.1	8.5
DMC1707-150M	15.0	9.0	16.0	18	22.0
DMC1707-220M	22.0	8.0	15.0	20	24.0
DMC1707-330M	33.0	6.5	11.0	26	35.0
DMC1707-470M	47.0	6.0	10	39	47.0
DMC1707-680M	68.0	5.0	9.0	67.0	80.0
DMC1707-820M	82.0	4.5	8	86	100.0
DMC1707-101M	68.0	4.0	7.0	104.0	115.0

*： you require another part number please contact with us.

**：Inductance Tolerance ± 20%

Note 1：All test data is referenced to 25℃ ambient.

Note 2：Idc : DC current (A) that will cause an approximate△T of 40℃

Note 3：Isat : DC current (A) that will cause Lo to drop approximately 30%

TYPE PACKAGING

TYPE	QUANTITIES PCS/reel	TYPE	QUANTITIES PCS/reel
DMC0402-	4000	DMC0605-	1000
DMC0502-	3000	DMC0805-	1000
DMC0503-	2000	DMC1004/45-	1000
DMC0612-	3000	DMC1005-	800
DMC0602-	3000	DMC1204-	500
DMC0624-	2000	DMC1205-	500
DMC0603-	2000	DMC1206/65-	500
DMC0604-	1000	DMC1707-	300