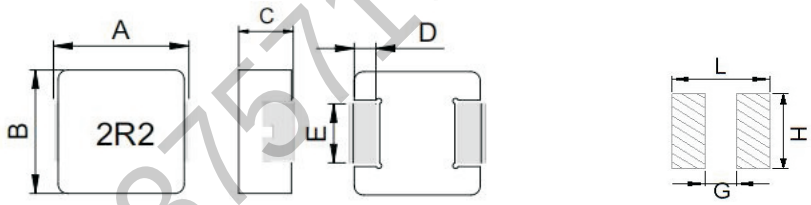
Molding Power Inductors MDA Series

Product Identification:

MDA - 4010 SP - 1R0 M
(1) (2) (3) (4) (5)

(1) Series
(2) Dimensions(L*H*W)
(3) Type
(4) Inductance (1R0=1.0uH，100=10uH，101=100uH)
(5) Tolerance(K(±10%), L(±15%)，M(±20%),N(±30%))

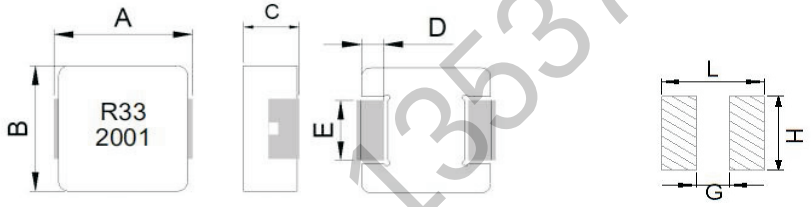
DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	-	L(mm)	G(mm)	H(mm)
MDA-4010SP	4.45±0.25	4.10±0.20	1.0Max	0.80±0.25	1.80±0.20	-	5.2Ref	2.2Ref	2.5Ref
MDA-4010S	4.20±0.30	4.15±0.20	0.83±0.20	0.90±0.20	1.80±0.20	-	4.4Ref	2.2Ref	2.0Ref
MDA-4015SP	4.45±0.25	4.10±0.20	1.30±0.20	0.80±0.25	2.00±0.20	-	5.2Ref	2.2Ref	2.5Ref
MDA-4020SP	4.45±0.25	4.10±0.20	1.80±0.20	0.80±0.25	2.00±0.20	-	5.2Ref	2.2Ref	2.5Ref

Molding Power Inductors MDA Series

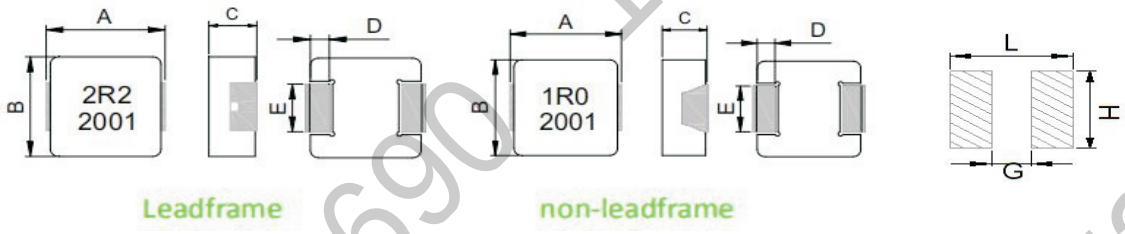
DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	-	L(mm)	G(mm)	H(mm)
MDA-5012SP	5.70±0.30	5.20±0.20	1.00±0.20	1.00±0.30	2.50±0.30	-	6.0Ref	2.8Ref	2.5Ref
MDA-5015SP	5.70±0.30	5.20±0.20	1.30±0.20	1.00±0.30	2.50±0.30	-	6.0Ref	2.8Ref	2.5Ref
MDA-5020SP	5.70±0.30	5.20±0.20	1.80±0.20	1.00±0.30	2.50±0.30	-	6.0Ref	2.8Ref	2.5Ref
MDA-5030S	5.70±0.30	5.20±0.20	2.80±0.20	1.00±0.30	2.00±0.20	-	6.0Ref	2.8Ref	2.5Ref
MDA-5030T	4.90±0.30	4.70±0.20	2.80±0.20	1.00±0.30	1.50±0.20	-	5.5Ref	2.5Ref	1.8Ref
MDA-6010SP	6.10±0.30	6.10±0.30	0.80±0.30	1.75±0.30	4.00±0.20	-	7.0Ref	2.8Ref	4.5Ref
MDA-6015S	7.00±0.30	6.60±0.20	1.30±0.20	1.80±0.30	3.00±0.20	-	8.0Ref	3.7Ref	3.4Ref
MDA-6018S	7.10±0.30	6.60±0.20	1.60±0.20	1.60±0.30	3.00±0.20	-	8.0Ref	3.7Ref	3.4Ref
MDA-6020S	7.10±0.30	6.60±0.20	1.80±0.20	1.60±0.30	3.00±0.20	-	8.0Ref	3.7Ref	3.4Ref
MDA-6024S	7.10±0.30	6.70±0.20	2.20±0.20	1.60±0.30	3.00±0.20	-	8.0Ref	3.7Ref	3.4Ref
MDA-6030S	7.10±0.30	6.60±0.20	2.80±0.20	1.60±0.30	3.00±0.20	-	8.0Ref	3.7Ref	3.4Ref
MDA-6040S	7.10±0.30	6.60±0.20	3.80±0.20	1.60±0.30	2.80±0.30	-	8.0Ref	3.7Ref	3.4Ref
MDA-6050S	7.30±0.30	6.60±0.30	4.80±0.20	1.60±0.30	3.00±0.20	-	8.0Ref	3.7Ref	3.4Ref
MDA-8040SP	9.50±0.30	8.50±0.30	3.80±0.20	1.30±0.30	4.00±0.30	-	10.0Ref	5.7Ref	4.5Ref

Molding Power Inductors MDA Series

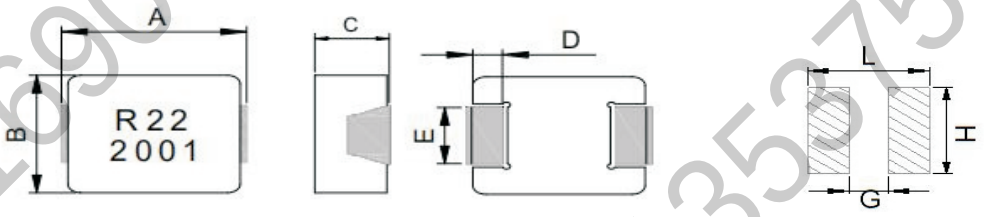
DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	-	L(mm)	G(mm)	H(mm)
MDA-1002S	11.0±0.3	10.0±0.3	1.8±0.2	2.0±0.3	3.0±0.3	-	12.5Ref	5.4Ref	3.5Ref
MDA-1003S	11.0±0.5	10.0±0.3	2.8±0.2	2.0±0.3	SeeSpec table	-	13.6Ref	5.4Ref	3.5Ref
MDA-1004S	11.0±0.3	10.0±0.3	3.8±0.2	2.0±0.3	SeeSpec table	-	12.5Ref	5.4Ref	3.5Ref
MDA-1045S	11.0±0.3	10.0±0.3	4.3±0.2	2.0±0.3	3.0±0.3	-	12.5Ref	5.4Ref	3.5Ref
MDA-1005S	11.0±0.5	10.0±0.3	4.8±0.2	2.0±0.3	SeeSpec table	-	12.5Ref	5.4Ref	3.5Ref
MDA-1054S	11.0±0.5	10.0±0.3	5.1±0.3	2.0±0.3	3.0±0.3	-	12.5Ref	5.4Ref	3.5Ref
MDA-1205SP	13.5±0.5	12.6±0.2	4.7±0.3	2.3±0.3	SeeSpec table	-	14.5Ref	8.0Ref	5.0Ref
MDA-1206SP	13.5±0.5	12.6±0.2	5.7±0.3	2.3±0.3	SeeSpec table	-	14.5Ref	8.0Ref	5.0Ref
MDA-1265SP	13.5±0.5	12.6±0.2	6.2±0.3	2.3±0.3	SeeSpec table	-	14.5Ref	8.0Ref	5.0Ref

Molding Power Inductors MDA Series

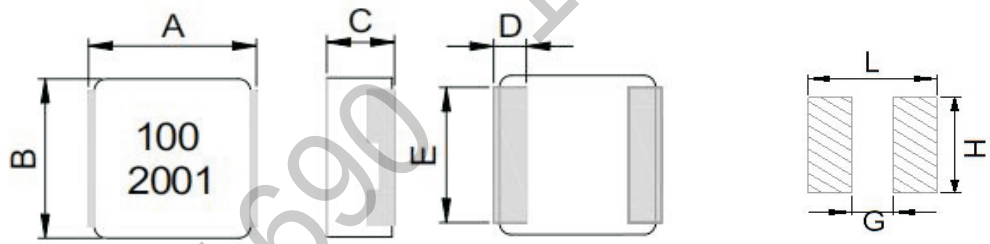
DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	-	L(mm)	G(mm)	H(mm)
MDA-120803S	12.7±0.3	8.1Max	2.8±0.2	2.0±0.3	3.0±0.3		14.5Ref	6.0Ref	4.0Ref
MDA-120804S	12.7±0.3	8.1Max	3.8±0.2	2.0±0.3	3.0±0.3		14.5Ref	6.0Ref	4.0Ref

Molding Power Inductors MDA Series

DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	-	L(mm)	G(mm)	H(mm)
MDA-1707SP	17.8±0.5	16.9±0.3	6.7±0.3	2.3±0.3	11.9±0.3		18.5Ref	12.0Ref	12.5Ref
MDA-2313SP	23.5±0.5	22.0±0.3	12.6±0.4	5.0±0.4	19.0±0.3		24Ref	12.5Ref	19.6Ref

Molding Power Inductors MDA - 4010S Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-4010S-2R2M	2.2	80.0	92.0	3.00	2.8
MDA-4010S-4R7M	4.7	140.0	161.0	2.10	2.0
MDA-4010S-6R8M	6.8	200.0	240.0	2.05	1.7
MDA-4010S-100M	10	300.0	320.0	2.00	1.6

Molding Power Inductors MDA - 4010SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-4010SP-1R0M	1.0	42.0	48.3	5.00	3.50
MDA-4010SP-1R5M	1.5	62.0	72.0	4.60	2.80
MDA-4010SP-2R2M	2.2	90.0	108.0	3.80	2.60
MDA-4010SP-3R3M	3.3	135.0	150.0	3.30	2.10
MDA-4010SP-4R7M	4.7	180.0	216.0	2.80	1.90
MDA-4010SP-6R8M	6.8	260.0	300.0	2.30	1.70
MDA-4010SP-8R2M	8.2	282.0	330.0	2.10	1.50
MDA-4010SP-100M	10	316.0	340.0	2.00	1.40

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 4015SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-4015SP-R47M	0.47	13.0	17.0	7.6	8.0
MDA-4015SP-1R5M	1.5	40.0	48.0	4.5	4.8

Molding Power Inductors MDA - 4020SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-4020SP-R10M	0.1	2.9	3.2	26.0	16.0
MDA-4020SP-R22M	0.22	4.8	5.5	15.0	14.0
MDA-4020SP-R33M	0.33	7.5	8.3	10.5	12.0
MDA-4020SP-R47M	0.47	9.5	11.0	9.0	10.0
MDA-4020SP-R68M	0.68	11.6	13.5	7.6	9.0
MDA-4020SP-R82M	0.82	16.3	18.8	6.0	8.0
MDA-4020SP-1R0M	1.0	19.0	22.0	5.5	7.5
MDA-4020SP-1R2M	1.2	21.0	25.0	5.4	7.0
MDA-4020SP-1R5M	1.5	27.0	31.0	5.2	6.7
MDA-4020SP-2R2M	2.2	41.0	48.0	4.5	5.5
MDA-4020SP-3R3M	3.3	65.0	75.0	3.1	4.5
MDA-4020SP-4R7M	4.7	84.0	95.0	2.8	3.8
MDA-4020SP-5R6M	5.6	97.0	115.0	2.6	3.2
MDA-4020SP-6R8M	6.8	131.0	157.0	2.4	2.9
MDA-4020SP-8R2M	8.2	140.0	168.0	2.2	2.6
MDA-4020SP-100M	10	165.0	215.0	2.1	2.4

Molding Power Inductors MDA - 5012SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-5012SP-R47M	0.47	10.0	12.0	11.0	8.0
MDA-5012SP-R68M	0.68	14.0	17.0	9.0	7.0

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 5015SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-5015SP-1R0M	1.0	20.0	24.0	7.5	7.0
MDA-5015SP-2R2M	2.2	40.0	48.0	4.5	5.0
MDA-5015SP-6R8M	6.8	140.0	160.0	2.5	2.5

Molding Power Inductors MDA - 5020SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-5020SP-R10M	0.1	2.30	2.53	29.0	25.0
MDA-5020SP-R15Y	0.15±30%	2.8	3.2	27.0	22.0
MDA-5020SP-R22M	0.22	3.8	4.4	20.0	16.0
MDA-5020SP-R33M	0.33	5.2	6.0	11.0	14.0
MDA-5020SP-R47M	0.47	6.1	7.2	9.0	13.0
MDA-5020SP-R68M	0.68	8.0	9.2	8.0	12.0
MDA-5020SP-1R0M	1.0	14.0	16.2	7.5	8.6
MDA-5020SP-1R5M	1.5	22.0	26.4	7.0	7.5
MDA-5020SP-2R2M	2.2	29.0	34.0	5.8	6.5
MDA-5020SP-3R3M	3.3	50.0	60.0	5.0	6.0
MDA-5020SP-4R7M	4.7	84.0	97.0	4.7	4.0
MDA-5020SP-5R6M	5.6	91.0	109.0	4.4	3.5
MDA-5020SP-6R8M	6.8	110.0	127.0	4.2	3.1
MDA-5020SP-8R2M	8.2	123.0	142.0	3.9	2.9
MDA-5020SP-100M	10	150.0	180.0	3.5	2.7
MDA-5020SP-150M	15	224.0	252.0	2.6	2.2
MDA-5020SP-220M	22	290.0	325.0	2.2	1.9

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 5030S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-5030S-R10M	0.1	2.0	2.2	33.0	26.0
MDA-5030S-R20M	0.2	2.5	2.8	24.0	18.0
MDA-5030S-R33M	0.33	4.5	5.4	12.0	16.0
MDA-5030S-R36M	0.36	4.7	5.6	11.0	15.0
MDA-5030S-R47M	0.47	5.2	6.0	10.0	13.5
MDA-5030S-R56M	0.56	6.1	7.2	9.5	13.0
MDA-5030S-R68M	0.68	7.4	8.5	9.0	12.5
MDA-5030S-R82M	0.82	8.0	9.2	8.8	10.0
MDA-5030S-1R0M	1.0	10.5	12.0	8.5	9.0
MDA-5030S-1R2M	1.2	12.0	14.4	8.0	8.5
MDA-5030S-1R5M	1.5	13.6	15.7	7.5	8.0
MDA-5030S-2R2M	2.2	21.6	25.0	6.5	7.0
MDA-5030S-3R3M	3.3	28.0	33.0	6.0	6.3
MDA-5030S-4R7M	4.7	38.0	44.0	5.3	5.5
MDA-5030S-5R6M	5.6	50.0	58.0	4.6	5.0
MDA-5030S-6R8M	6.8	57.0	66.0	3.5	4.3
MDA-5030S-100M	10	88.0	103.0	2.5	3.8
MDA-5030S-150M	15	140.0	170.0	2.2	2.9
MDA-5030S-220M	22	190.0	228.0	2.0	2.4

Molding Power Inductors MDA - 5030T Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-5030T-R10Y	0.10±30%	1.8	2.1	32.0	32.0
MDA-5030T-R12Y	0.12±30%	2.0	2.3	30.0	30.0
MDA-5030T-R22M	0.22	2.8	3.2	17.0	18.0
MDA-5030T-R35M	0.35	4.6	5.1	15.0	16.5
MDA-5030T-R47M	0.47	5.5	6.4	11.0	16.0
MDA-5030T-R68M	0.68	7.0	8.4	9.0	12.0
MDA-5030T-1R0M	1.0	12.8	13.8	8.5	8.5
MDA-5030T-1R2M	1.2	14.0	16.0	7.6	7.2
MDA-5030T-1R5M	1.5	16.0	21.0	6.3	6.6
MDA-5030T-2R2M	2.2	23.0	27.6	5.7	6.0
MDA-5030T-3R3M	3.3	30.0	36.0	5.0	5.5
MDA-5030T-4R7M	4.7	43.0	52.0	4.0	5.0

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 6010SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6010SP-4R7M	4.7	140.0	161.0	3.5	2.6
MDA-6010SP-6R8M	6.8	164.0	197.0	2.5	2.1
MDA-6010SP-100M	10	259.0	310.0	2.1	1.7

Molding Power Inductors MDA - 6015S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6015S-R10Y	0.10±30%	2.35	2.60	32.0	20.0
MDA-6015S-R15M	0.15	3.00	3.30	28.0	18.0
MDA-6015S-R22M	0.22	3.70	4.70	21.0	15.0
MDA-6015S-R33M	0.33	6.40	7.04	19.0	13.0
MDA-6015S-R47M	0.47	8.00	8.80	16.0	11.0
MDA-6015S-R68M	0.68	11.00	12.10	14.0	9.0
MDA-6015S-1R0M	1.0	16.00	20.00	10.0	8.3
MDA-6015S-1R5M	1.5	34.00	37.40	9.0	6.0
MDA-6015S-2R2M	2.2	45.00	52.00	7.0	5.0
MDA-6015S-3R3M	3.3	53.00	61.00	6.5	4.5
MDA-6015S-4R7M	4.7	92.00	105.00	5.7	3.8
MDA-6015S-5R6M	5.6	105.00	121.00	4.7	3.3
MDA-6015S-6R8M	6.8	110.00	127.00	3.7	3.1
MDA-6015S-8R2M	8.2	147.00	169.00	3.2	2.7

Molding Power Inductors MDA - 6018S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6018S-R15Y	0.15±30%	1.9	2.4	30	21
MDA-6018S-R22M	0.22	3.4	4.1	34	20
MDA-6018S-R47M	0.47	6.3	7	16	14
MDA-6018S-R68M	0.68	9.0	10.8	17	10
MDA-6018S-1R0M	1.0	11.8	13.6	12.5	10.5
MDA-6018S-1R5M	1.5	18	20	12	9.5
MDA-6018S-2R2M	2.2	29.5	33.5	7.5	7

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 6020S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6020S-R15M	0.15	2.0±5%		40.0	22.0
MDA-6020S-R22M	0.22	2.7±7%		23.0	21.0
MDA-6020S-R33M	0.33	3.7±7%		20.0	19.0
MDA-6020S-R47M	0.47	5.6	6.3	18.0	15.0
MDA-6020S-R68M	0.68	7.8	8.8	14.0	13.0
MDA-6020S-1R0M	1.0	13.5	15.5	12.5	11.0
MDA-6020S-1R5M	1.5	19.5	22.5	11.5	9.5
MDA-6020S-2R2M	2.2	25.6	29.5	10.0	8.0
MDA-6020S-3R3M	3.3	41.5	48.0	7.5	6.8
MDA-6020S-4R7M	4.7	48.0	57.0	6.0	5.5
MDA-6020S-5R6M	5.6	56.0	66.0	5.0	5.0
MDA-6020S-6R8M	6.8	60.0	70.0	4.3	4.5
MDA-6020S-100M	10	118.0	140.0	3.4	3.4

Molding Power Inductors MDA - 6024S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6024S-R10Y	0.10±30%	1.2	1.35	70.0	30.0
MDA-6024S-R12Y	0.12±30%	1.3	1.6	50.0	29.0
MDA-6024S-R15Y	0.15±30%	1.5	1.8	41.0	32.0
MDA-6024S-R22M	0.22	2.2	2.53	34.0	26.0
MDA-6024S-R33M	0.33	3.2	3.52	27.0	24.0
MDA-6024S-R36M	0.36	3.4	3.8	25.0	23.0
MDA-6024S-R45M	0.45	4	4.4	22.0	20.0
MDA-6024S-R47M	0.47	4.4	5.06	22.0	19.0
MDA-6024S-R68M	0.68	5.2	6	17.0	17.0
MDA-6024S-R82M	0.82	7.3	8.1	16.0	16.0
MDA-6024S-1R0M	1.0	10	11.8	15.0	13.0
MDA-6024S-1R5M	1.5	13.5	16	14.0	11.0
MDA-6024S-2R2M	2.2	18.5	23	10.0	9.5
MDA-6024S-3R3M	3.3	31	38	8.5	8.0
MDA-6024S-4R7M	4.7	38	46	7.0	6.5
MDA-6024S-5R6M	5.6	47	56.4	6.2	6.0
MDA-6024S-6R8M	6.8	58	67	6.0	4.5
MDA-6024S-100M	10	81	93	4.6	3.7

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 6030S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6030S-R10Y	0.10±30%	1.10	1.30	45.0	35.0
MDA-6030S-R15Y	0.15±30%	1.70	2.10	40.0	30.0
MDA-6030S-R22M	0.22	2.00	2.50	34.0	23.0
MDA-6030S-R24M	0.24	2.20	2.70	28.0	22.5
MDA-6030S-R33M	0.33	2.80	3.40	25.0	21.0
MDA-6030S-R36M	0.36	3.30	3.90	24.0	20.0
MDA-6030S-R47M	0.47	3.40	4.00	20.0	18.0
MDA-6030S-R56M	0.56	3.90	4.50	18.0	16.5
MDA-6030S-R68M	0.68	4.70	5.30	17.0	16.0
MDA-6030S-R82M	0.82	5.40	6.00	16.0	14.0
MDA-6030S-1R0M	1.0	6.70	7.40	15.0	12.0
MDA-6030S-1R2M	1.2	7.7	9.5	14.0	10.0
MDA-6030S-1R5M	1.5	10.2	12.1	14.0	10.0

Molding Power Inductors MDA - 6030S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6030S-1R8M	1.8	10.9	13.0	12.0	9.0
MDA-6030S-2R2M	2.2	13.5	15.0	10.0	8.0
MDA-6030S-2R7M	2.7	17.3	20.0	9.8	7.2
MDA-6030S-3R3M	3.3	19.0	22.0	9.5	6.5
MDA-6030S-4R7M	4.7	28.0	33.0	6.5	5.5
MDA-6030S-5R6M	5.6	39.0	42.0	6.0	5.5
MDA-6030S-6R8M	6.8	43.0	50.0	6.0	4.5
MDA-6030S-8R2M	8.2	54.0	60.0	6.0	4.5
MDA-6030S-100M	10	62.0	68.0	5.5	4.0
MDA-6030S-120M	12	65.0	78.0	4.6	3.5
MDA-6030S-150M	15	110.0	140.0	4.5	3.0
MDA-6030S-180M	18	130.0	160.0	3.5	2.7
MDA-6030S-220M	22	150.0	190.0	3.0	2.5
MDA-6030S-330M	33	215.0	258.0	2.5	2.1
MDA-6030S-470M	47	250.0	300.0	1.8	1.9

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 6040S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6040S-R12M	0.12	0.75±10%		50.0	35.0
MDA-6040S-R15M	0.15	1.40	1.68	45.0	35.0
MDA-6040S-R24M	0.24	1.0±7%		35.0	34.0
MDA-6040S-R33M	0.33	2.20	2.50	28.0	25.0
MDA-6040S-R36M	0.36	1.4±7%		37.0	24.0
MDA-6040S-R45M	0.45	2.80	3.20	21.0	20.0
MDA-6040S-R56M	0.56	3.40	3.70	20.0	19.0
MDA-6040S-1R0M	1.0	5.60	6.20	15.0	15.0
MDA-6040S-6R8M	6.8	31.00	38.00	6.8	7.6

Molding Power Inductors MDA - 6050S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-6050S-R15M	0.15	1.30	1.70	45.0	35.0
MDA-6050S-R22M	0.22	1.70	2.20	40.0	30.0
MDA-6050S-R33M	0.33	1.90	2.40	25.0	26.0
MDA-6050S-R47M	0.47	2.90	3.30	22.0	22.0
MDA-6050S-R56M	0.56	3.40	3.90	21.0	21.0
MDA-6050S-R68M	0.68	3.60	4.10	20.0	20.0
MDA-6050S-R82M	0.82	5.30	5.90	18.0	18.0
MDA-6050S-1R0M	1.0	5.60	6.20	16.0	17.0
MDA-6050S-1R2M	1.2	6.40	7.10	14.0	16.0
MDA-6050S-1R5M	1.5	6.6	7.3	13.0	15.0
MDA-6050S-1R8M	1.8	7.6	9.0	11.0	14.5
MDA-6050S-2R2M	2.2	10.0	11.5	10.0	14.0
MDA-6050S-3R3M	3.3	14.0	16.2	9.5	13.0
MDA-6050S-4R7M	4.7	20.8	24.0	8.8	11.0
MDA-6050S-5R6M	5.6	28.0	33.0	8.0	10.0
MDA-6050S-6R8M	6.8	30.0	36.0	7.6	9.0
MDA-6050S-8R2M	8.2	38.5	45.0	6.5	7.5
MDA-6050S-100M	10	44.0	53.0	6.0	7.0
MDA-6050S-120M	12	56.0	68.0	5.1	5.8
MDA-6050S-150M	15	73.0	85.0	4.0	5.0
MDA-6050S-220M	22	122.0	142.0	3.6	4.2
MDA-6050S-330M	33	142.0	170.0	2.3	3.0
MDA-6050S-470M	47	275.0	320.0	1.8	2.6

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 8040SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±30% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
CMDA-8040SP-R10Y	0.1	0.42	0.47	52.0	35.0
MDA-8040SP-R33M	0.33	1.60	1.90	36.0	28.0

Molding Power Inductors MDA - 1002S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-1002S-R24M	0.24	2.8±7%		32.0	24.0
MDA-1002S-1R0M	1.0	9.7	11.7	24.0	13.0
MDA-1002S-2R2M	2.2	14.0	15.5	13.0	10.0

Molding Power Inductors MDA - 1003S Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm)
MDA-1003S-R22M	0.22	0.9	1.0	50	33	2.7±0.35
MDA-1003S-R36M	0.36	1.25±7%		40	28	2.7±0.35
MDA-1003S-R47M	0.47	1.8	2.2	40	30	2.5±0.35
MDA-1003S-R82M	0.82	3.1	3.7	28	20	3.0±0.3
MDA-1003S-2R2M	2.2	7.8	8.8	18	14	3.0±0.3
MDA-1003S-8R2M	8.2	32	38	7.2	7.2	3.0±0.3

Molding Power Inductors MDA - 1004S Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm) ±0.3
MDA-1004S-R15Y	0.15±30%	0.50	0.60	82.0	44.0	3.0
MDA-1004S-R18M	0.18	0.53	0.63	76.0	40.0	3.0
MDA-1004S-R22M	0.22	0.72	0.83	70.0	36.0	3.0
MDA-1004S-R24M	0.24	0.75	0.85	60.0	35.0	3.0
MDA-1004S-R33M	0.33	0.87	0.98	55.0	34.0	3.0
MDA-1004S-R36M	0.36	1.05	1.18	51.0	33.0	3.0

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 1004S Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm) ±0.3
MDA-1004S-R42M	0.42	1.15	1.30	50.0	32.5	3.0
MDA-1004S-R45M	0.45	1.20	1.40	48.0	32.5	3.0
MDA-1004S-R47M	0.47	1.30	1.50	46.0	32.0	3.0
MDA-1004S-R56M	0.56	1.60	1.80	34.0	25.0	2.5
MDA-1004S-R68M	0.68	1.90	2.20	31.0	23.0	2.5
MDA-1004S-R82M	0.82	2.10	2.50	30.0	22.0	2.5
MDA-1004S-R88M	0.88	2.20	2.60	29.5	21.0	2.5
MDA-1004S-R90M	0.9	2.20	2.60	29.5	21.0	2.5
MDA-1004S-1R0M	1.0	2.90	3.25	29.0	20.0	2.5
MDA-1004S-1R2M	1.2	3.20	3.80	27.5	18.5	2.5

Molding Power Inductors MDA - 1004S Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm) ±0.3
MDA-1004S-1R5M	1.5	3.70	4.20	26.0	17.5	2.5
MDA-1004S-1R8M	1.8	5.10	5.70	23.0	16.5	3.0
MDA-1004S-2R0M	2.0	5.30	6.10	21.0	16.0	3.0
MDA-1004S-2R2M	2.2	5.80	6.70	20.0	15.0	3.0
MDA-1004S-3R3M	3.3	10.50	11.80	17.5	11.0	3.0
MDA-1004S-4R7M	4.7	15.80	19.00	15.2	8.8	3.0
MDA-1004S-5R6M	5.6	19.00	22.80	14.1	8.0	3.0
MDA-1004S-6R8M	6.8	22.00	24.50	12.2	7.8	3.0
MDA-1004S-8R2M	8.2	25.00	28.00	9.50	7.60	3.0
MDA-1004S-9R0M	9	25.0±10%		9.00	7.55	3.0
MDA-1004S-100M	10	27.0	30.0	8.60	7.50	3.0
MDA-1004S-150M	15	41.0	45.0	7.00	6.25	3.0
MDA-1004S-220M	22	58.0	66.0	6.20	5.00	3.0
MDA-1004S-330M	33	84.0	91.0	5.50	4.40	3.0
MDA-1004S-470M	47	125.0	143.0	4.00	3.50	3.0
MDA-1004S-560M	56	165.0	190.0	3.50	3.00	3.0
MDA-1004S-680M	68	184.0	210.0	3.20	2.60	3.0
MDA-1004S-820M	82	240.0	270.0	3.00	2.30	3.0
MDA-1004S-101M	100	270.0	310.0	2.70	2.00	3.0

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 1005S Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm) ±0.3
MDA-1005S-R30M	0.3	0.67	0.80	55.0	36.0	3.0
MDA-1005S-R36M	0.36	0.82	0.92	52.0	34.0	3.0
MDA-1005S-R47M	0.47	1.15	1.32	46.0	33.0	3.0
MDA-1005S-R68M	0.68	1.60	1.90	35.0	28.0	2.5
MDA-1005S-1R0M	1.0	2.60	3.00	33.0	25.0	2.5
MDA-1005S-1R2M	1.2	2.0±10%		22.0	21.0	3.0
MDA-1005S-1R5M	1.5	3.40	3.80	27.0	23.0	2.5
MDA-1005S-2R2M	2.2	5.10	5.60	20.0	19.5	3.0
MDA-1005S-3R3M	3.3	8.10	9.10	17.5	17.0	3.0
MDA-1005S-3R9M	3.9	8.50	9.50	16.5	16.0	3.0
MDA-1005S-4R7M	4.7	9.30	10.50	16.0	15.0	3.0
MDA-1005S-5R6M	5.6	12.80	14.40	15.0	13.0	3.0
MDA-1005S-6R8M	6.8	15.00	17.30	14.0	12.0	3.0
MDA-1005S-8R2M	8.2	16.10	18.80	13.5	10.0	3.0
MDA-1005S-100M	10	18.9	21.8	13.0	7.6	3.0
MDA-1005S-150M	15	32.0	39.0	8.5	6.5	3.0
MDA-1005S-330M	33	74.0	86.0	5.8	5.5	3.0
MDA-1005S-220M	22	44.0	54.0	6.0	6.0	3.0
MDA-1005S-470M	47	106.0	127.0	4.0	4.5	3.0
MDA-1005S-101M	100	242.0	290.0	2.8	2.2	3.0
MDA-1005S-111L	110	242.0	290.0	2.6	2.2	3.0

Molding Power Inductors MDA - 1045S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-1045S-2R2M	2.2	5.8	7.0	18.0	16.0
MDA-1045S-3R3M	3.3	8.5	9.8	17.5	15.0
MDA-1045S-4R7M	4.7	11.0	13.5	15.6	12.0

Molding Power Inductors MDA - 1054S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-1054S-4R7M	4.7	8.3	10	15.7	14.5
MDA-1054S-100M	10	20	23.2	10.9	8.7
MDA-1054S-220M	22	40	48	6	6
MDA-1054S-330M	33	65.5	75.3	5.2	4.8
MDA-1054S-470M	47	89	103	4.5	4.1
MDA-1054S-680M	68	132	152	3.5	3.3

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 1205SP Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm) ±0.3
MDA-1205SP-R22M	0.22	0.50	0.61	65.0	55.0	4.0
MDA-1205SP-R33M	0.33	0.65	0.80	65.0	42.0	4.0
MDA-1205SP-R36M	0.36	0.68	0.84	65.0	41.0	4.0
MDA-1205SP-R39M	0.39	0.74	0.87	65.0	40.0	4.0
MDA-1205SP-R47M	0.47	0.77	0.90	65.0	38.0	4.0
MDA-1205SP-R50M	0.5	0.95	1.10	60.0	37.0	4.0
MDA-1205SP-R56M	0.56	1.10	1.30	57.0	36.0	4.0
MDA-1205SP-R68M	0.68	1.30	1.55	50.0	34.0	4.0
MDA-1205SP-R82M	0.82	1.40	1.70	44.0	32.0	4.0
MDA-1205SP-1R0M	1.0	1.60	1.90	40.0	30.0	4.0
MDA-1205SP-1R2M	1.2	2.40	2.80	34.0	27.0	4.7
MDA-1205SP-1R5M	1.5	3.20	3.80	31.0	25.0	4.7
MDA-1205SP-1R8M	1.8	3.70	4.30	28.0	22.0	4.7
MDA-1205SP-2R2M	2.2	4.10	4.80	26.0	17.0	4.7
MDA-1205SP-3R3M	3.3	6.00	7.00	23.0	15.5	4.7
MDA-1205SP-4R7M	4.7	8.80	10.20	18.5	14.0	4.7
MDA-1205SP-5R6M	5.6	10.0	12.0	17.50	13.00	4.7
MDA-1205SP-6R0M	6.0	12.5	15.0	17.00	12.50	4.7
MDA-1205SP-6R8M	6.8	13.0	16.0	16.50	12.00	4.7
MDA-1205SP-8R2M	8.2	15.0	18.0	13.50	11.00	4.7
MDA-1205SP-100M	10	19.2	22.0	13.00	10.00	4.7
MDA-1205SP-150M	15	30.0	36.0	11.00	9.40	4.7
MDA-1205SP-220M	22	42.0	52.0	8.50	8.00	4.7
MDA-1205SP-330M	33	66.0	80.0	7.30	6.00	4.7
MDA-1205SP-470M	47	78.0	94.0	6.00	5.20	4.7
MDA-1205SP-680M	68	110.0	132.0	5.00	4.30	4.7
MDA-1205SP-101M	100	175.0	210.0	4.00	3.50	4.7
MDA-1205SP-121M	120	225.0	270.0	3.70	3.00	4.7
MDA-1205SP-151M	150	280.0	336.0	3.20	2.70	4.7

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 1206SP Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm) ±0.3
MDA-1206SP-R36M	0.36	0.65	0.80	70.0	60.0	4.7
MDA-1206SP-R82M	0.82	1.40	1.70	41.0	35.0	4.0
MDA-1206SP-1R0M	1.0	1.70	2.00	34.0	30.0	4.0
MDA-1206SP-1R5M	1.5	2.40	3.00	32.0	28.0	4.0
MDA-1206SP-2R2M	2.2	3.70	4.30	28.0	25.0	4.7
MDA-1206SP-4R7M	4.7	7.00	8.40	23.0	19.0	4.7
MDA-1206SP-5R6M	5.6	9.00	10.80	19.0	16.0	4.7
MDA-1206SP-8R2M	8.2	13.50	16.00	17.0	13.5	4.7
MDA-1206SP-100M	10	15.50	18.60	16.0	12.0	4.7
MDA-1206SP-150M	15	24.00	29.00	10.0	10.0	4.7
MDA-1206SP-220M	22	31.20	37.50	9.0	8.0	4.7
MDA-1206SP-330M	33	56.00	68.00	7.8	6.5	4.7
MDA-1206SP-390M	39	70.00	84.00	6.6	5.6	4.7
MDA-1206SP-470M	47	76.00	88.00	6.7	5.2	4.7
MDA-1206SP-560M	56	90.00	108.00	6.3	4.9	4.7
MDA-1206SP-680M	68	103.0	124.0	5.80	4.50	4.7
MDA-1206SP-101M	100	162.0	195.0	5.00	3.20	4.7
MDA-1206SP-151M	150	270.0	325.0	4.10	2.60	4.7

Molding Power Inductors MDA - 1265SP Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm) ±0.3
MDA-1265SP-R10Y	0.10±30%	0.20	0.25	120.0	65.0	4.7
MDA-1265SP-R22M	0.22	0.40	0.46	112.0	53.0	4.7
MDA-1265SP-R33M	0.33	0.60	0.70	75.0	46.0	4.7
MDA-1265SP-R47M	0.47	0.88	1.02	68.0	42.0	4.7
MDA-1265SP-R56M	0.56	1.10	1.30	57.0	37.0	4.0
MDA-1265SP-R68M	0.68	1.25	1.50	55.0	36.5	4.0
MDA-1265SP-R82M	0.82	1.30	1.65	48.0	35.0	4.0
MDA-1265SP-1R0M	1.0	1.50	1.80	45.0	33.0	4.0
MDA-1265SP-1R2M	1.2	1.80	2.20	38.0	31.0	4.0
MDA-1265SP-1R5M	1.5	2.20	2.53	35.0	29.0	4.0
MDA-1265SP-1R8M	1.8	3.20	3.60	31.0	27.0	4.7
MDA-1265SP-2R2M	2.2	3.70	4.20	28.5	25.0	4.7
MDA-1265SP-2R7M	2.7	4.20	5.00	27.5	24.0	4.7
MDA-1265SP-3R3M	3.3	5.30	6.20	27.0	22.0	4.7
MDA-1265SP-4R7M	4.7	6.80	8.00	25.0	20.0	4.7
MDA-1265SP-5R6M	5.6	8.30	9.80	23.0	18.0	4.7

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 1265SP Series

ELECTRICAL CHARACTERISTIC:

Part Number	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Max.	I rms (A)Max.	D(mm) ±0.3
MDA-1265SP-6R0M	6.0	8.6	10.4	22.0	17.0	4.7
MDA-1265SP-6R8M	6.8	9.8	11.3	21.0	16.5	4.7
MDA-1265SP-8R2M	8.2	12.0	13.8	19.0	15.0	4.7
MDA-1265SP-100M	10	13.0	15.8	17.0	13.0	4.7
MDA-1265SP-120M	12	16.5	20.0	14.0	12.0	4.7
MDA-1265SP-150M	15	22.0	26.0	13.5	11.0	4.7
MDA-1265SP-220M	22	31.0	35.0	10.0	10.0	4.7
MDA-1265SP-270M	27	36.0	45.0	9.0	9.5	4.7
MDA-1265SP-330M	33	46.0	55.0	9.0	9.0	4.7
MDA-1265SP-470M	47	58.0	67.0	7.6	8.0	4.7
MDA-1265SP-680M	68	82.0	100.0	6.0	5.8	4.7
MDA-1265SP-820M	82	110.0	132.0	5.0	5.0	4.7
MDA-1265SP-101M	100	140.0	161.0	5.0	5.0	4.7

Molding Power Inductors MDA - 120803S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-120803S-R22M	0.22	0.6	0.8	60	30
MDA-120803S-R47M	0.47	1.45	1.6	40	29

Molding Power Inductors MDA - 120804S Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-120804S-R22M	0.22	0.40	0.60	75	35
MDA-120804S-R47M	0.47	1.10	1.20	50	35

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 1707SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-1707SP-R47M	0.47	0.7	0.9	110	60
MDA-1707SP-R56M	0.56	0.81	0.97	80	56
MDA-1707SP-1R0M	1.0	1.06	1.3	50	46
MDA-1707SP-1R5M	1.5	1.5	1.8	46	39
MDA-1707SP-1R8M	1.8	1.7	2	40	35
MDA-1707SP-2R0M	2.0	1.75	2.1	37	33
MDA-1707SP-2R2M	2.2	1.8	2.2	35	32
MDA-1707SP-3R3M	3.3	2.7	3.3	32	30
MDA-1707SP-4R0M	4.0	3.5	4.3	30	29
MDA-1707SP-4R7M	4.7	3.7	4.5	29	28
MDA-1707SP-5R6M	5.6	4.4	4.9	28	30
MDA-1707SP-6R8M	6.8	6	7.2	25	24
MDA-1707SP-100M	10	9.2	10.6	22	21
MDA-1707SP-150M	15	12.8	15.5	16	16
MDA-1707SP-180M	18	16.5	20.0	14.0	14.5
MDA-1707SP-220M	22	20.5	24.0	13.5	13.5
MDA-1707SP-330M	33	32.0	37.0	12.0	12.0
MDA-1707SP-470M	47	40.0	47.0	9.5	9.5
MDA-1707SP-680M	68	66.0	76.0	8.5	8.0
MDA-1707SP-820M	82	69.0	83.0	8.0	6.5
MDA-1707SP-101M	100	90.0	105.0	6.5	6.0

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃

Molding Power Inductors MDA - 2313SP Series

ELECTRICAL CHARACTERISTIC:

Part umber	L (uH) ±20% 100KHz/1.0V	DCR (mΩ) Typ.	DCR (mΩ) Max.	I sat (A)Typ.	I rms (A)Typ.
MDA-2313SP-1R5M	1.5	1.00	1.15	52.0	62.0
MDA-2313SP-2R0M	2.0	1.02	1.20	50.0	60.0
MDA-2313SP-2R2M	2.2	1.05	1.25	48.0	58.0
MDA-2313SP-3R0M	3.0	1.42	1.64	44.0	51.0
MDA-2313SP-3R3M	3.3	1.50	1.75	41.0	49.0
MDA-2313SP-4R7M	4.7	1.90	2.20	38.0	47.0
MDA-2313SP-5R6M	5.6	2.30	2.70	37.0	43.0
MDA-2313SP-6R8M	6.8	2.70	3.10	36.0	40.0
MDA-2313SP-8R2M	8.2	3.40	3.80	31.0	35.0
MDA-2313SP-100M	10	3.80	4.15	28.0	33.0
MDA-2313SP-150M	15	5.10	6.12	23.0	26.0
MDA-2313SP-220M	22	9.20	11.00	15.0	22.0
MDA-2313SP-230M	23	9.20	11.00	15.0	22.0
MDA-2313SP-330M	33	13.50	15.40	12.0	19.0
MDA-2313SP-470M	47	17.30	20.80	12.0	17.0
MDA-2313SP-680M	68	26.20	29.50	12.0	14.0
MDA-2313SP-750M	75	27.50	31.60	10.5	13.0
MDA-2313SP-820M	82	31.00	34.20	9.0	12.0
MDA-2313SP-101M	100	36.00	40.00	9.0	11.0

(1).I sat Curret: Temp.rise ΔL/L0A 30% Typ

(2).I rms Curret: Temp.rise 40°C Typ

(3).Operatig Temperature: -40°C up to +125℃