

FEATURES

- Alloy iron powder material core provides large saturation current.
- Molding construction reduces buzz noise to ultra-low levels.
- Closed magnetic circuit design reduces leakage flux and EMI.
- Excellent temperature characteristics.
- Operating temperature: -40°C ~ +125°C.



APPLICATIONS

- TV, Graphics, Memory.
- Notebooks, Tablets.
- Communication equipments, Industrial equipments.

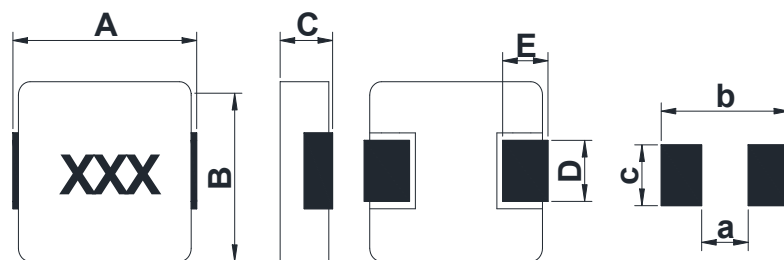
PRODUCT IDENTIFICATION

AMDP 0630 S 1R0 M T

(1)	(2)	(3)	(4)	(5)	(6)
AMDP	0630	S	1R0	M	T

- (1) Series name
- (2) Product dimensions
- (3) Feature Type (S:Standard)
- (4) Inductance Value (1R0:1.0uH, 100:10uH, 101:100uH)
- (5) Inductance Tolerance(K:10%, M:20%, N:30%)
- (6) Package(T:Tape&Reel)

SHAPE AND DIMENSIONS



Recommend Land

Unit:mm

Series	A	B	C Max	D	E	a Ref	b Ref	c Ref
AMDP0420	4.40±0.35	4.20±0.25	2.0	2.00±0.30	0.80±0.30	2.2	5.2	2.5
AMDP0520	5.40±0.40	5.20±0.30	2.0	2.20±0.50	1.20±0.50	2.2	6	2.7
AMDP0530	5.40±0.40	5.20±0.30	3.0	2.20±0.50	1.20±0.50	2.2	6	2.7
AMDP0624	7.10±0.40	6.60±0.30	2.4	3.00±0.50	1.60±0.50	3.7	8.4	3.5
AMDP0630	7.10±0.40	6.60±0.30	3.0	3.00±0.50	1.60±0.50	3.7	8.4	3.5
AMDP0640	7.10±0.40	6.60±0.30	4.0	3.00±0.50	1.60±0.50	3.7	8.4	3.5
AMDP0650	7.10±0.40	6.60±0.30	5.0	3.00±0.50	1.60±0.50	3.7	8.4	3.5
AMDP0830	8.30±0.40	8.10±0.40	3.0	3.00±0.50	1.50±0.50	4.6	10.6	3.8
AMDP0840	8.30±0.40	8.10±0.40	4.0	3.00±0.50	1.50±0.50	4.6	10.6	3.8
AMDP1030	11.10±0.40	10.00±0.30	3.0	3.00±0.50	2.00±0.50	5.4	13.6	4.1
AMDP1040	11.10±0.40	10.00±0.30	4.0	3.00±0.50	2.00±0.50	5.4	13.6	4.1
AMDP1050	11.10±0.40	10.00±0.30	5.0	3.00±0.50	2.00±0.50	5.4	13.6	4.1
AMDP1250	13.45±0.35	12.60±0.40	5.0	3.80±0.50	2.20±0.50	6	15	5
AMDP1260	13.45±0.35	12.60±0.40	6.0	3.80±0.50	2.20±0.50	6	15	5
AMDP1265	13.45±0.35	12.60±0.40	6.5	3.80±0.50	2.20±0.50	6	15	5
AMDP1770	17.90±0.40	17.00±0.40	7.0	11.90±0.50	2.50±0.50	11.2	18.7	12.8

SPECIFICATIONS

AMDP0420 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR ($m\Omega$)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0420SR22MT	0.22	20	100KHz/1V	5.6	6.6	12.5	9.5
AMDP0420SR33MT	0.33	20	100KHz/1V	9.2	11.0	12.0	10.0
AMDP0420SR47MT	0.47	20	100KHz/1V	10.8	14.0	9.5	7.5
AMDP0420SR56MT	0.56	20	100KHz/1V	14.5	16.0	9.0	7.0
AMDP0420SR68MT	0.68	20	100KHz/1V	16.0	18.0	9.0	7.0
AMDP0420S1R0MT	1.0	20	100KHz/1V	23.5	30.0	7.0	6.0
AMDP0420S1R5MT	1.5	20	100KHz/1V	38.0	46.0	6.0	5.0
AMDP0420S2R2MT	2.2	20	100KHz/1V	45.0	58.0	5.0	4.5
AMDP0420S3R3MT	3.3	20	100KHz/1V	75.0	87.0	4.0	3.3
AMDP0420S4R7MT	4.7	20	100KHz/1V	85.0	105.0	3.0	2.8
AMDP0420S6R8MT	6.8	20	100KHz/1V	145.0	175.0	2.5	2.4
AMDP0420S100MT	10	20	100KHz/1V	200.0	282.0	2.2	1.6

AMDP0520 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR ($m\Omega$)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0520SR22MT	0.22	20	100KHz/1V	4.0	4.5	19.0	15.0
AMDP0520SR47MT	0.47	20	100KHz/1V	8.5	9.5	16.0	10.5
AMDP0520SR56MT	0.56	20	100KHz/1V	9.0	10.5	15.0	9.5
AMDP0520S1R0MT	1.0	20	100KHz/1V	16.5	17.0	9.5	8.0
AMDP0520S1R5MT	1.5	20	100KHz/1V	25.0	30.0	8.5	6.5
AMDP0520S2R2MT	2.2	20	100KHz/1V	32.0	35.0	6.5	5.5
AMDP0520S3R3MT	3.3	20	100KHz/1V	50.0	58.0	5.0	4.5
AMDP0520S4R7MT	4.7	20	100KHz/1V	78.0	85.0	4.5	3.5
AMDP0520S6R8MT	6.8	20	100KHz/1V	112.0	120.0	3.5	2.8
AMDP0520S8R2MT	8.2	20	100KHz/1V	135.0	150.0	3.3	2.6
AMDP0520S100MT	10	20	100KHz/1V	135.0	155.0	3.0	2.5

AMDP0530 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0530SR20MT	0.2	20	100KHz/1V	4.0	5.0	18.0	15.0
AMDP0530SR22MT	0.22	20	100KHz/1V	3.5	4.5	17.0	14.5
AMDP0530SR47MT	0.47	20	100KHz/1V	6.0	8.5	12.0	11.0
AMDP0530SR68MT	0.68	20	100KHz/1V	11.0	12.0	11.5	9.0
AMDP0530S1R0MT	1.0	20	100KHz/1V	12.0	14.0	11.0	8.5
AMDP0530S1R5MT	1.5	20	100KHz/1V	19.0	25.0	8.5	8.2
AMDP0530S2R2MT	2.2	20	100KHz/1V	24.8	29.0	7.5	7.0
AMDP0530S3R3MT	3.3	20	100KHz/1V	30.0	38.0	6.0	5.5
AMDP0530S4R7MT	4.7	20	100KHz/1V	52.0	60.0	5.0	4.5
AMDP0530S6R8MT	6.8	20	100KHz/1V	60.0	90.0	4.0	3.5
AMDP0530S100MT	10	20	100KHz/1V	110.0	125.0	3.5	3.0

AMDP0624 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0624SR15MT	0.15	20	100KHz/1V	1.63	2.30	35.0	25.0
AMDP0624SR22MT	0.22	20	100KHz/1V	2.60	3.00	34.0	21.0
AMDP0624SR33MT	0.33	20	100KHz/1V	3.50	4.10	24.5	18.0
AMDP0624SR47MT	0.47	20	100KHz/1V	4.80	5.10	22.0	15.0
AMDP0624SR56MT	0.56	20	100KHz/1V	5.50	6.50	17.0	13.0
AMDP0624SR68MT	0.68	20	100KHz/1V	5.80	7.00	16.0	12.0
AMDP0624S1R0MT	1.0	20	100KHz/1V	13.60	17.00	16.0	9.0
AMDP0624S1R5MT	1.5	20	100KHz/1V	17.00	20.00	13.5	9.0
AMDP0624S2R2MT	2.2	20	100KHz/1V	22.50	28.00	11.0	7.0
AMDP0624S3R3MT	3.3	20	100KHz/1V	35.00	39.00	8.5	5.5
AMDP0624S4R7MT	4.7	20	100KHz/1V	45.00	63.00	7.5	5.0
AMDP0624S6R8MT	6.8	20	100KHz/1V	65.00	70.00	6.0	4.0
AMDP0624S100MT	10	20	100KHz/1V	92.00	101.00	4.0	3.1
AMDP0624S150MT	15	20	100KHz/1V	135.00	160.00	3.1	2.5

AMDP0630 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0630SR10MT	0.10	20	100KHz/1V	1.6	1.8	45.0	37.0
AMDP0630SR15MT	0.15	20	100KHz/1V	1.6	2.5	40.0	30.0
AMDP0630SR22MT	0.22	20	100KHz/1V	2.1	3.0	34.0	24.0
AMDP0630SR33MT	0.33	20	100KHz/1V	3.2	3.9	30.0	20.0
AMDP0630SR47MT	0.47	20	100KHz/1V	3.9	5.5	24.0	20.0
AMDP0630SR56MT	0.56	20	100KHz/1V	4.5	5.0	18.0	16.5
AMDP0630SR68MT	0.68	20	100KHz/1V	4.8	6.3	17.0	16.0
AMDP0630SR82MT	0.82	20	100KHz/1V	6.8	8.0	16.0	13.0
AMDP0630S1R0MT	1.0	20	100KHz/1V	8.6	10.0	15.0	12.0
AMDP0630S1R5MT	1.5	20	100KHz/1V	11.6	15.0	14.0	12.0
AMDP0630S2R2MT	2.2	20	100KHz/1V	15.8	20.0	10.0	8.0
AMDP0630S2R7MT	2.7	20	100KHz/1V	23.0	30.0	10.0	7.0
AMDP0630S3R3MT	3.3	20	100KHz/1V	30.0	35.0	9.5	6.5
AMDP0630S4R7MT	4.7	20	100KHz/1V	30.5	40.0	6.5	5.5
AMDP0630S6R8MT	6.8	20	100KHz/1V	50.0	60.0	6.0	5.0
AMDP0630S8R2MT	8.2	20	100KHz/1V	56.0	60.0	6.0	4.5
AMDP0630S100MT	10	20	100KHz/1V	60.0	68.0	5.0	3.5
AMDP0630S150MT	15	20	100KHz/1V	106.0	122.0	4.0	3.5
AMDP0630S220MT	22	20	100KHz/1V	158.0	200.0	3.0	2.3
AMDP0630S330MT	33	20	100KHz/1V	253.0	270.0	3.0	2.0

AMDP0640 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0640SR22MT	0.22	20	100KHz/1V	1.1	1.8	35.0	32.0
AMDP0640SR36MT	0.36	20	100KHz/1V	1.5	1.6	25.0	24.0
AMDP0640SR47MT	0.47	20	100KHz/1V	4.0	4.5	21.0	20.0
AMDP0640SR68MT	0.68	20	100KHz/1V	4.2	4.8	19.0	18.0
AMDP0640S1R0MT	1.0	20	100KHz/1V	5.4	6.5	15.0	14.0
AMDP0640S1R5MT	1.5	20	100KHz/1V	12.0	14.0	16.0	10.0
AMDP0640S2R2MT	2.2	20	100KHz/1V	11.0	12.5	13.0	11.0
AMDP0640S3R3MT	3.3	20	100KHz/1V	16.0	20.0	12.5	10.0
AMDP0640S4R7MT	4.7	20	100KHz/1V	23.0	25.0	8.0	6.5
AMDP0640S100MT	10	20	100KHz/1V	48.5	65.0	6.0	4.8
AMDP0640S150MT	15	20	100KHz/1V	95.0	105.0	4.5	4.0
AMDP0640S220MT	22	20	100KHz/1V	115.0	125.0	4.0	3.5

AMDP0650 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0650SR22MT	0.22	20	100KHz/1V	2.1	2.8	30.0	25.0
AMDP0650SR47MT	0.47	20	100KHz/1V	3.5	4.0	21.0	20.0
AMDP0650SR68MT	0.68	20	100KHz/1V	4.5	5.0	18.0	16.5
AMDP0650S1R0MT	1.0	20	100KHz/1V	5.5	6.5	15.0	12.0
AMDP0650S1R5MT	1.5	20	100KHz/1V	8.0	10.0	13.0	9.5
AMDP0650S2R2MT	2.2	20	100KHz/1V	9.8	12.5	12.0	8.0
AMDP0650S3R3MT	3.3	20	100KHz/1V	19.0	20.9	9.0	7.0
AMDP0650S4R7MT	4.7	20	100KHz/1V	23.0	25.0	8.0	6.5
AMDP0650S5R6MT	5.6	20	100KHz/1V	25.0	30.0	7.0	6.0
AMDP0650S6R8MT	6.8	20	100KHz/1V	35.0	41.0	7.0	5.5
AMDP0650S8R2MT	8.2	20	100KHz/1V	50.0	55.0	5.5	5.5
AMDP0650S100MT	10	20	100KHz/1V	50.0	55.0	6.0	4.5
AMDP0650S150MT	15	20	100KHz/1V	106.0	115.0	4.0	3.5
AMDP0650S220MT	22	20	100KHz/1V	130.0	145.0	3.5	2.5
AMDP0650S330MT	33	20	100KHz/1V	165.0	200.0	3.0	2.3
AMDP0650S470MT	47	20	100KHz/1V	230.0	260.0	2.5	2.0

AMDP0830 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0830SR22MT	0.22	20	100KHz/1V	1.5	1.6	40.0	32.0
AMDP0830SR47MT	0.47	20	100KHz/1V	3.1	3.3	30.0	21.5
AMDP0830S1R0MT	1.0	20	100KHz/1V	7.8	8.4	29.0	13.7
AMDP0830S1R5MT	1.5	20	100KHz/1V	12.4	13.3	24.0	11.0
AMDP0830S4R7MT	4.7	20	100KHz/1V	32.0	34.2	10.5	6.6

AMDP0840 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP0840SR22MT	0.22	20	100KHz/1V	1.57	1.68	34.00	30.70
AMDP0840SR47MT	0.47	20	100KHz/1V	2.45	2.62	31.50	25.00
AMDP0840SR68MT	0.68	20	100KHz/1V	3.43	3.67	24.50	21.00
AMDP0840S1R0MT	1.0	20	100KHz/1V	5.40	5.78	24.00	18.00
AMDP0840S2R2MT	2.2	20	100KHz/1V	12.80	13.70	23.00	10.50
AMDP0840S4R7MT	4.7	20	100KHz/1V	29.90	32.00	15.00	7.25

AMDP0850 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω) Max	Isat(A) Typ.	Irms(A) Typ.
AMDP0850S560MT	56	20	100KHz/1V	195	3.5	2.5

AMDP1030 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP1030SR22MT	0.22	20	100KHz/1V	1.07	1.20	50	30
AMDP1030SR36MT	0.36	20	100KHz/1V	1.05	1.15	30	26
AMDP1030SR47MT	0.47	20	100KHz/1V	2.10	2.50	26	20
AMDP1030SR68MT	0.68	20	100KHz/1V	2.90	3.40	23	21
AMDP1030S1R0MT	1.0	20	100KHz/1V	5.30	6.00	18	13
AMDP1030S1R5MT	1.5	20	100KHz/1V	5.30	8.00	17	12
AMDP1030S2R2MT	2.2	20	100KHz/1V	9.00	11.00	14	11
AMDP1030S3R3MT	3.3	20	100KHz/1V	14.50	17.00	12	9
AMDP1030S4R7MT	4.7	20	100KHz/1V	20.50	23.00	10	7
AMDP1030S100MT	10	20	100KHz/1V	56.00	80.00	7.5	5

AMDP1040 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP1040SR15MT	0.15	20	100KHz/1V	0.5	0.7	75	45
AMDP1040SR22MT	0.22	20	100KHz/1V	0.7	1.0	50	38
AMDP1040SR30MT	0.3	20	100KHz/1V	1.1	1.2	50	35
AMDP1040SR36MT	0.36	20	100KHz/1V	1.1	1.2	50	30
AMDP1040SR47MT	0.47	20	100KHz/1V	1.5	1.7	40	30
AMDP1040SR56MT	0.56	20	100KHz/1V	1.6	1.8	33	25
AMDP1040SR68MT	0.68	20	100KHz/1V	2.1	2.4	30	23
AMDP1040SR80MT	0.8	20	100KHz/1V	2.6	2.7	29	23
AMDP1040S1R0MT	1.0	20	100KHz/1V	2.6	3.2	30	21
AMDP1040S1R5MT	1.5	20	100KHz/1V	3.8	4.2	22	16
AMDP1040S2R2MT	2.2	20	100KHz/1V	5.8	7.0	18	12
AMDP1040S3R3MT	3.3	20	100KHz/1V	9.2	11.8	16	11
AMDP1040S4R7MT	4.7	20	100KHz/1V	17.0	20.0	15	9.0
AMDP1040S6R8MT	6.8	20	100KHz/1V	18.8	25.0	12	8.5
AMDP1040S8R2MT	8.2	20	100KHz/1V	26.5	30.0	9.0	6.0
AMDP1040S100MT	10	20	100KHz/1V	26.5	30.0	8.5	7.5
AMDP1040S150MT	15	20	100KHz/1V	39.5	45.0	7.0	6.5
AMDP1040S220MT	22	20	100KHz/1V	58.0	66.0	5.5	5.0
AMDP1040S330MT	33	20	100KHz/1V	86.0	92.0	5.0	4.4
AMDP1040S470MT	47	20	100KHz/1V	133.0	145.0	3.5	3.3
AMDP1040S680MT	68	20	100KHz/1V	188.0	205.0	3.0	2.3

AMDP1050 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP1050SR47MT	0.4	20	100KHz/1V	1.5	1.7	40	30
AMDP1050S2R2MT	2.2	20	100KHz/1V	5.0	6.0	19	15
AMDP1050S3R3MT	3.3	20	100KHz/1V	8.1	9.1	17.5	15
AMDP1050S4R7MT	4.7	20	100KHz/1V	9.3	10.5	16	15
AMDP1050S100MT	10	20	100KHz/1V	25.0	28.0	11	6
AMDP1050S220MT	22	20	100KHz/1V	58.0	66.0	5.5	5.0

AMDP1250 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP1250SR15MT	0.15	20	100KHz/1V	0.50	0.60	68	48
AMDP1250SR22MT	0.22	20	100KHz/1V	0.55	0.70	65	44
AMDP1250SR33MT	0.33	20	100KHz/1V	0.75	0.95	55	38
AMDP1250SR47MT	0.47	20	100KHz/1V	1.0	1.2	45	32
AMDP1250SR68MT	0.68	20	100KHz/1V	1.4	1.8	38	28
AMDP1250SR82MT	0.82	20	100KHz/1V	1.5	2.0	36	26
AMDP1250S1R0MT	1.0	20	100KHz/1V	1.9	2.2	35	26
AMDP1250S1R5MT	1.5	20	100KHz/1V	2.6	3.5	32	22
AMDP1250S2R2MT	2.2	20	100KHz/1V	3.5	4.5	31	19
AMDP1250S3R3MT	3.3	20	100KHz/1V	5.2	6.5	22	15
AMDP1250S4R7MT	4.7	20	100KHz/1V	8	10	20	11
AMDP1250S5R6MT	5.6	20	100KHz/1V	10	12	17	11
AMDP1250S6R8MT	6.8	20	100KHz/1V	16	20	15	8.8
AMDP1250S8R2MT	8.2	20	100KHz/1V	19	21	13	8
AMDP1250S100MT	10	20	100KHz/1V	20	22	12	7.8
AMDP1250S150MT	15	20	100KHz/1V	26	32	10	6.5
AMDP1250S220MT	22	20	100KHz/1V	30	35	7	6
AMDP1250S330MT	33	20	100KHz/1V	55	62	6	4.5
AMDP1250S470MT	47	20	100KHz/1V	80	95	5	3.6
AMDP1250S560MT	56	20	100KHz/1V	98	110	4.2	3.3
AMDP1250S680MT	68	20	100KHz/1V	115	130	3.3	2.5

AMDP1260 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR ($m\Omega$)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP1260SR47MT	0.47	20	100KHz/1V	0.90	1.05	46	36
AMDP1260SR68MT	0.68	20	100KHz/1V	1.0	1.2	41	31
AMDP1260SR82MT	0.82	20	100KHz/1V	1.6	1.85	40	30
AMDP1260S1R0MT	1.0	20	100KHz/1V	1.7	2.0	36	26
AMDP1260S1R5MT	1.5	20	100KHz/1V	2.4	3.0	32	22
AMDP1260S2R2MT	2.2	20	100KHz/1V	3.2	4.2	27	20
AMDP1260S3R3MT	3.3	20	100KHz/1V	5.5	6.5	22	17.5
AMDP1260S4R7MT	4.7	20	100KHz/1V	9.5	11.0	20	14
AMDP1260S5R6MT	5.6	20	100KHz/1V	8.0	10.0	18	13.5
AMDP1260S6R8MT	6.8	20	100KHz/1V	11.5	13.5	16	12
AMDP1260S8R2MT	8.2	20	100KHz/1V	12.0	15.0	15	11.5
AMDP1260S100MT	10	20	100KHz/1V	14.0	17.0	14	10
AMDP1260S120MT	12	20	100KHz/1V	16.0	20.0	12	9
AMDP1260S150MT	15	20	100KHz/1V	23.0	29.0	12.5	8.3
AMDP1260S220MT	22	20	100KHz/1V	36.0	39.0	9.5	6.5
AMDP1260S330MT	33	20	100KHz/1V	47.5	60.0	8	5.8
AMDP1260S470MT	47	20	100KHz/1V	71.0	90.0	6.5	4.7
AMDP1260S560MT	56	20	100KHz/1V	92.0	115	5.5	4.1
AMDP1260S820MT	82	20	100KHz/1V	140	165	3.8	3.2

AMDP1265 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR (m Ω)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP1265SR47MT	0.47	20	100KHz/1V	0.90	1.05	46	36
AMDP1265SR68MT	0.68	20	100KHz/1V	1.0	1.2	41	31
AMDP1265SR82MT	0.82	20	100KHz/1V	1.6	1.85	40	30
AMDP1265S1R0MT	1.0	20	100KHz/1V	1.7	2.0	36	26
AMDP1265S1R5MT	1.5	20	100KHz/1V	2.4	3.0	32	22
AMDP1265S2R2MT	2.2	20	100KHz/1V	3.2	4.2	27	20
AMDP1265S3R3MT	3.3	20	100KHz/1V	5.5	6.5	23	17.5
AMDP1265S4R7MT	4.7	20	100KHz/1V	7.8	9.5	22	14
AMDP1265S5R6MT	5.6	20	100KHz/1V	8	10.0	18	13.5
AMDP1265S6R8MT	6.8	20	100KHz/1V	11.5	13.5	16	12
AMDP1265S8R2MT	8.2	20	100KHz/1V	12.0	15.0	15	11.5
AMDP1265S100MT	10	20	100KHz/1V	14.0	17.0	14	10
AMDP1265S120MT	12	20	100KHz/1V	16.0	20.0	12	9
AMDP1265S150MT	15	20	100KHz/1V	30.0	35.0	11	8.3
AMDP1265S180MT	18	20	100KHz/1V	33.0	38.0	11	8
AMDP1265S220MT	22	20	100KHz/1V	33.0	39.0	11	8
AMDP1265S330MT	33	20	100KHz/1V	47.5	60.0	8	5.8
AMDP1265S470MT	47	20	100KHz/1V	71.0	90.0	6.5	4.7
AMDP1265S560MT	56	20	100KHz/1V	92.0	115	5.5	4.1
AMDP1265S820MT	82	20	100KHz/1V	140	165	4	3.3
AMDP1265S101MT	100	20	100KHz/1V	160	200	3.5	3.1
AMDP1265S121MT	120	20	100KHz/1V	180	225	3.2	2.5
AMDP1265S151MT	150	20	100KHz/1V	300	350	2.7	2.2

AMDP1770 Series

Part Number	Inductance (μ H)	Tolerance (%)	Test Condition	DCR ($m\Omega$)		Isat(A)	Irms(A)
				Typ.	Max.	Typ.	Typ.
AMDP1770S1R0MT	1.0	20	100KHz/1V	1.60	2.00	55	32
AMDP1770S1R5MT	1.5	20	100KHz/1V	1.50	2.00	45	40
AMDP1770S2R2MT	2.2	20	100KHz/1V	1.85	2.30	37	34
AMDP1770S3R3MT	3.3	20	100KHz/1V	2.70	2.93	30	28
AMDP1770S4R7MT	4.7	20	100KHz/1V	4.15	4.60	25	24
AMDP1770S5R6MT	5.6	20	100KHz/1V	5.00	5.50	25	21
AMDP1770S6R8MT	6.8	20	100KHz/1V	5.50	6.15	20	19
AMDP1770S100MT	10	20	100KHz/1V	8.50	9.33	17	16
AMDP1770S150MT	15	20	100KHz/1V	13.70	16.50	14	12
AMDP1770S220MT	22	20	100KHz/1V	20.00	23.00	11	9.5
AMDP1770S330MT	33	20	100KHz/1V	32.00	37.00	9	10.7
AMDP1770S470MT	47	20	100KHz/1V	40.70	47.00	7.5	6.8
AMDP1770S560MT	56	20	100KHz/1V	50.00	55.00	8	7.2
AMDP1770S680MT	68	20	100KHz/1V	72.10	75.70	7	6.1
AMDP1770S101MT	100	20	100KHz/1V	105.00	110.00	6	5

Note:

Rated current: Isat or Irms, whichever is smaller.

Isat: DC current at which the inductance drops approximate 30% from its value without current.

Irms: DC current that causes the temperature rise($\Delta T=40^{\circ}\text{C}$) from 25°C ambient.

Absolute maximum voltage: DC 30V.

All the data listed in this catalogue are for reference only, Design as Customer's Requested Specifications.