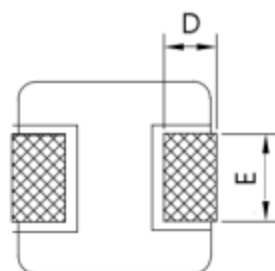
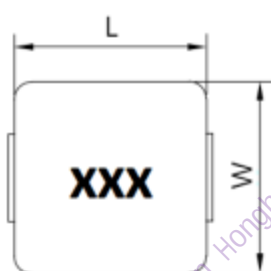
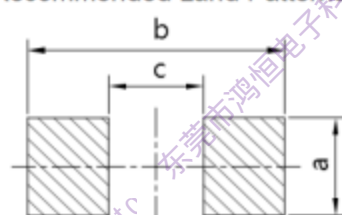


Features:

- Alloy powder DC-DC Converter shielded inductors.
- A wide range of product line up is available to meet the various requirements.
- High saturation current, low DCR, high efficiency.
- Very low acoustic noise and very low leakage flux noise.
- Ideally used in flat TV, LCD display, AV devices, car navigation, LED lighting, smart screen, power modules.
- RoHS compliant.

Appearance dimensions (mm, dimensions without tolerance are typical):

Recommended Land Patterns



Type	L	W	H	D	E	a	b	c	MPQ(pcs)
MPH0315	3.4	3.0	1.3	0.7	1.3	2.0	4.2	1.2	3000
MPH0412	4.4	4.2	1.0	0.8	2.0	2.5	5.2	2.2	3000
MPH0420	4.4	4.2	1.8	0.8	2.0	2.5	5.2	2.2	3000
MPH0518	5.4	5.2	1.6	1.2	2.2	2.5	6.0	2.2	2000
MPH0530	5.4	5.2	2.8	1.2	2.2	2.5	6.0	2.2	2000
MPH0618	7.0	6.6	1.6	1.6	3.0	3.5	8.4	3.7	1500
MPH0620	7.0	6.6	1.8	1.6	3.0	3.5	8.4	3.7	1500
MPH0624	7.0	6.6	2.2	1.6	3.0	3.5	8.4	3.7	1500
MPH0630	7.0	6.6	2.8	1.6	3.0	3.5	8.4	3.7	1500
MPH0640	7.0	6.6	3.8	1.6	3.0	3.5	8.4	3.7	1000
MPH0650	7.0	6.6	4.8	1.6	3.0	3.5	8.4	3.7	1000
MPH1040	11.0	10.0	3.8	2.0	3.0	4.1	12.2	5.8	500
MPH1050	11.0	10.0	4.8	2.0	3.0	4.1	12.2	5.8	500
MPH1240	13.45	12.6	3.8	2.0	4.5	5.5	14.5	8.0	500
MPH1250	13.45	12.6	4.8	2.0	4.5	5.5	14.5	8.0	500
MPH1260	13.45	12.6	5.8	2.0	5.0	5.5	14.5	8.0	500
MPH1265	13.45	12.6	6.3	2.0	5.0	5.5	14.5	8.0	500
MPH1770	17.15	17.15	6.7	2.5	12.0	12.8	18.2	11.2	200

MPH0315 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0315-R22M	0.22	20%	13.0	11.20	14.00	8.80	11.00
MPH0315-R33M	0.33	20%	18.0	9.20	11.50	6.80	8.50
MPH0315-R47M	0.47	20%	22.0	7.20	9.00	5.60	7.00
MPH0315-1R0M	1.00	20%	42.0	5.00	6.20	3.60	4.50
MPH0315-1R5M	1.50	20%	60.0	4.60	5.80	3.04	3.80
MPH0315-2R2M	2.20	20%	85.0	4.00	5.00	2.56	3.20
MPH0315-3R3M	3.30	20%	110	2.80	3.50	1.76	2.20
MPH0315-100M	10.0	20%	360	1.60	2.00	0.96	1.20

MPH0412 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0412-R15M	0.15	20%	9.00	12.0	15.00	6.80	7.50
MPH0412-R22M	0.22	20%	11.0	8.80	11.00	6.50	7.00
MPH0412-R33M	0.33	20%	19.0	6.70	8.40	5.70	6.50
MPH0412-R47M	0.47	20%	21.0	5.40	6.80	5.20	6.00
MPH0412-R68M	0.68	20%	36.0	4.80	6.00	4.20	4.70
MPH0412-1R0M	1.00	20%	47.0	4.40	5.50	3.80	4.50
MPH0412-1R5M	1.50	20%	75.0	3.20	4.00	2.70	3.25
MPH0412-2R2M	2.20	20%	83.5	2.40	3.00	2.20	2.75
MPH0412-3R3M	3.30	20%	160	2.38	2.70	1.77	2.00
MPH0412-4R7M	4.70	20%	195	1.80	2.20	1.45	1.80

MPH0420 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0420-R10M	0.10	20%	4.00	17.60	22.00	11.20	13.00
MPH0420-R22M	0.22	20%	6.60	10.00	12.50	8.20	9.50
MPH0420-R33M	0.33	20%	11.0	9.60	12.00	8.60	10.00
MPH0420-R47M	0.47	20%	14.0	7.60	9.50	6.65	7.50
MPH0420-R56M	0.56	20%	16.0	7.20	9.00	6.10	7.00
MPH0420-R68M	0.68	20%	18.0	6.40	8.00	6.15	7.00
MPH0420-1R0M	1.00	20%	27.0	5.60	7.00	5.40	6.00
MPH0420-1R2M	1.20	20%	27.0	5.20	6.50	5.40	6.00
MPH0420-1R5M	1.50	20%	46.0	4.40	5.50	4.30	5.00
MPH0420-2R2M	2.20	20%	58.0	4.00	5.00	3.80	4.50
MPH0420-3R3M	3.30	20%	87.0	2.80	3.50	2.80	3.30
MPH0420-4R7M	4.70	20%	105	2.40	3.00	2.20	2.80
MPH0420-6R8M	6.80	20%	175	2.00	2.50	1.90	2.40
MPH0420-100M	10.0	20%	282	1.60	2.00	1.30	1.60
MPH0420-220M	22.0	20%	363	1.12	1.40	0.90	1.20

MPH0518 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0518-4R7M	4.70	20%	85.0	3.20	4.00	3.00	3.50
MPH0518-R56M	0.56	20%	10.0	8.80	11.00	8.20	9.50
MPH0518-1R0M	1.00	20%	17.0	7.20	9.00	7.20	8.00
MPH0518-1R5M	1.50	20%	26.0	6.40	8.00	6.60	7.50
MPH0518-2R2M	2.20	20%	35.0	4.80	6.00	4.20	5.00
MPH0518-3R3M	3.30	20%	58.0	3.84	4.80	3.80	4.50
MPH0518-4R7M	4.70	20%	85.0	3.20	4.00	3.00	3.50
MPH0518-6R8M	6.80	20%	120	2.72	3.40	2.40	2.80
MPH0518-100M	10.0	20%	155	2.00	2.50	2.20	2.50

MPH0530 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0530-R10M	0.10	20%	3.00	24.00	30.00	23.00	25.00
MPH0530-R20M	0.20	20%	3.90	16.00	20.00	13.00	14.00
MPH0530-R33M	0.33	20%	5.50	14.40	18.00	13.10	14.00
MPH0530-R47M	0.47	20%	8.50	12.00	15.00	10.00	11.00
MPH0530-R68M	0.68	20%	12.0	9.20	11.50	8.20	9.00
MPH0530-1R0M	1.00	20%	14.0	8.00	10.00	7.80	8.50
MPH0530-1R2M	1.20	20%	16.0	7.60	9.50	7.85	8.50
MPH0530-1R5M	1.50	20%	25.0	7.20	9.00	7.60	8.20
MPH0530-2R2M	2.20	20%	29.0	5.60	7.00	6.40	7.00
MPH0530-3R3M	3.30	20%	38.0	4.80	6.00	5.50	5.50
MPH0530-4R7M	4.70	20%	60.0	3.68	4.60	4.00	4.50
MPH0530-6R8M	6.80	20%	90.0	2.88	3.60	2.90	3.50
MPH0530-100M	10.0	20%	125	2.80	3.50	2.80	3.20

MPH0618 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0618-R10M	0.10	20%	2.30	30.40	38.00	23.00	25.00
MPH0618-R22M	0.22	20%	3.50	19.20	24.00	20.00	22.00
MPH0618-R47M	0.47	20%	8.40	14.40	18.00	10.00	11.50
MPH0618-R68M	0.68	20%	12.0	13.20	16.50	8.40	9.50
MPH0618-1R0M	1.00	20%	16.0	9.60	12.00	7.60	8.50
MPH0618-1R5M	1.50	20%	26.0	7.36	9.20	7.10	8.00
MPH0618-2R2M	2.20	20%	35.0	6.40	8.00	6.20	7.00
MPH0618-3R3M	3.30	20%	50.0	4.80	6.00	3.80	4.50
MPH0618-4R7M	4.70	20%	62.0	4.00	5.00	3.50	4.00
MPH0618-6R8M	6.80	20%	110	3.60	4.50	2.40	3.00
MPH0618-100M	10.0	20%	155	3.20	4.00	1.95	2.30
MPH0618-220M	22.0	20%	350	1.84	2.30	1.40	1.80

MPH0620 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0620-1R5M	1.50	20%	18.0	10.00	12.00	7.00	8.00
MPH0620-4R7M	4.70	20%	60.0	4.40	5.50	3.44	4.30
MPH0620-100M	10.0	20%	145	3.20	4.00	2.24	2.80

MPH0624 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0624-R22M	0.22	20%	3.00	24.00	30.00	19.00	21.00
MPH0624-R33M	0.33	20%	4.10	19.60	24.50	16.00	18.00
MPH0624-R47M	0.47	20%	5.10	16.00	20.00	13.50	15.00
MPH0624-R56M	0.56	20%	6.50	13.60	17.00	11.50	13.00
MPH0624-R68M	0.68	20%	7.00	12.80	16.00	10.50	12.00
MPH0624-1R0M	1.00	20%	13.5	12.00	15.00	8.00	9.00
MPH0624-1R5M	1.50	20%	20.0	10.80	13.50	7.00	8.20
MPH0624-2R2M	2.20	20%	28.0	8.00	10.00	6.20	7.00
MPH0624-3R3M	3.30	20%	39.0	6.40	8.00	4.80	5.50
MPH0624-4R7M	4.70	20%	50.0	5.20	6.50	4.30	5.00
MPH0624-6R8M	6.80	20%	70.0	4.80	6.00	3.20	4.00
MPH0624-100M	10.0	20%	101	3.20	4.00	2.40	3.10
MPH0624-150M	15.0	20%	160	2.64	3.30	2.00	2.50
MPH0624-220M	22.0	20%	230	2.00	2.50	1.60	2.00

MPH0630 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0630-R22M	0.22	20%	3.00	27.20	34.00	21.00	24.00
MPH0630-R33M	0.33	20%	3.50	20.00	25.00	19.00	21.00
MPH0630-R47M	0.47	20%	4.10	16.00	20.00	16.50	18.00
MPH0630-R56M	0.56	20%	4.50	14.40	18.00	15.00	16.50
MPH0630-R68M	0.68	20%	5.30	13.60	17.00	14.50	16.00
MPH0630-R82M	0.82	20%	6.00	12.80	16.00	12.50	14.00
MPH0630-1R0M	1.00	20%	7.40	12.00	15.00	10.50	12.00
MPH0630-1R5M	1.50	20%	12.1	9.60	12.00	10.50	12.00
MPH0630-2R2M	2.20	20%	15.0	8.00	10.00	8.50	9.50
MPH0630-3R3M	3.30	20%	22.0	7.60	9.50	7.50	8.50
MPH0630-4R7M	4.70	20%	33.0	7.20	9.00	5.00	6.00
MPH0630-5R6M	5.60	20%	42.0	5.20	6.50	4.80	5.50
MPH0630-6R8M	6.80	20%	48.0	4.80	6.00	4.20	5.00
MPH0630-8R2M	8.20	20%	60.0	4.40	5.50	4.20	5.00
MPH0630-100M	10.0	20%	68.0	4.40	5.50	3.80	4.50
MPH0630-150M	15.0	20%	113	3.20	4.00	2.30	3.00
MPH0630-220M	22.0	20%	170	2.40	3.00	2.00	2.50
MPH0630-330M	33.0	20%	270	2.00	2.50	1.60	2.00
MPH0630-470M	47.0	20%	385	1.60	2.00	1.20	1.50

MPH0640 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0640-R68M	0.68	20%	4.80	15.20	19.00	13.60	17.00
MPH0640-1R0M	1.00	20%	6.60	12.80	16.00	10.80	13.50
MPH0640-1R5M	1.50	20%	10.0	10.00	12.50	9.92	12.40
MPH0640-2R2M	2.20	20%	14.0	8.80	11.00	7.80	10.00
MPH0640-3R3M	3.30	20%	20.0	7.60	9.50	6.80	8.50
MPH0640-4R7M	4.70	20%	30.0	7.20	9.00	6.00	6.50
MPH0640-6R8M	6.80	20%	45.0	5.20	6.50	4.40	5.50
MPH0640-100M	10.0	20%	65.0	4.80	6.00	3.84	4.80
MPH0640-150M	15.0	20%	95.0	3.60	4.50	2.80	3.70
MPH0640-220M	22.0	20%	125	3.20	4.00	2.64	3.30
MPH0640-330M	33.0	20%	240	2.40	3.00	1.76	2.20
MPH0640-470M	47.0	20%	320	2.00	2.50	1.44	1.80

MPH0650 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH0650-R47M	0.47	20%	3.90	16.80	21.00	17.00	20.00
MPH0650-R68M	0.68	20%	4.50	14.40	18.00	14.50	16.50
MPH0650-1R0M	1.00	20%	6.60	12.80	16.00	10.00	12.00
MPH0650-1R5M	1.50	20%	10.0	10.40	13.00	8.20	9.50
MPH0650-2R2M	2.20	20%	12.5	8.80	11.00	8.00	9.00
MPH0650-3R3M	3.30	20%	22.0	8.00	10.00	7.60	8.50
MPH0650-4R7M	4.70	20%	29.0	6.40	8.00	5.00	6.00
MPH0650-6R8M	6.80	20%	41.0	5.04	6.30	4.00	5.80
MPH0650-8R2M	8.20	20%	48.0	4.40	5.50	4.80	5.50
MPH0650-100M	10.0	20%	60.0	4.24	5.30	3.80	4.50
MPH0650-150M	15.0	20%	90.0	3.20	4.00	2.60	3.10
MPH0650-220M	22.0	20%	140	2.80	3.50	2.00	2.60
MPH0650-330M	33.0	20%	190	2.40	3.00	1.80	2.30
MPH0650-470M	47.0	20%	230	2.08	2.60	1.50	2.00

MPH1040 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH1040-R15M	0.15	20%	0.70	60.00	75.00	40.00	45.00
MPH1040-R22M	0.22	20%	1.00	48.00	60.00	30.00	35.00
MPH1040-R30M	0.30	20%	1.10	36.00	45.00	30.00	35.00
MPH1040-R36M	0.36	20%	1.20	36.00	45.00	25.00	30.00
MPH1040-R45M	0.45	20%	1.50	34.00	43.00	25.00	30.00
MPH1040-R47M	0.47	20%	1.70	32.00	40.00	25.00	30.00
MPH1040-R56M	0.56	20%	1.80	26.40	33.00	20.00	25.00
MPH1040-R68M	0.68	20%	2.40	24.00	30.00	19.00	23.00
MPH1040-R80M	0.80	20%	2.70	23.20	29.00	19.00	23.00
MPH1040-1R0M	1.00	20%	3.30	22.40	28.00	16.00	19.00
MPH1040-1R5M	1.50	20%	4.20	19.20	24.00	14.00	16.00
MPH1040-2R2M	2.20	20%	7.00	13.20	16.50	10.00	12.00
MPH1040-3R3M	3.30	20%	11.8	12.80	16.00	9.50	11.00
MPH1040-4R7M	4.70	20%	20.0	10.40	13.00	7.50	9.00
MPH1040-6R8M	6.80	20%	25.0	9.60	12.00	7.00	8.50
MPH1040-8R2M	8.20	20%	27.0	7.20	9.00	6.80	8.00
MPH1040-100M	10.0	20%	30.0	6.80	8.50	6.90	7.80
MPH1040-150M	15.0	20%	45.0	5.60	7.00	5.60	6.50
MPH1040-220M	22.0	20%	66.0	4.40	5.50	4.20	5.00
MPH1040-330M	33.0	20%	92.0	3.84	4.80	3.80	4.40
MPH1040-470M	47.0	20%	145	3.10	3.50	2.80	3.30
MPH1040-680M	68.0	20%	195	2.40	3.00	2.00	2.50

MPH1050 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH1050-R22M	0.22	20%	0.67	51.00	60.00	31.50	37.00
MPH1050-R26M	0.26	20%	0.90	51.00	60.00	29.80	35.00
MPH1050-1R0M	1.00	20%	2.30	24.70	29.00	16.20	19.00
MPH1050-1R2M	1.20	20%	2.80	23.80	28.00	15.30	18.00
MPH1050-1R5M	1.50	20%	3.30	22.10	26.00	13.60	16.00
MPH1050-2R2M	2.20	20%	5.40	17.00	20.00	11.10	13.00
MPH1050-3R3M	3.30	20%	9.30	13.60	16.00	10.20	12.00
MPH1050-4R7M	4.70	20%	12.5	12.80	15.00	7.70	9.00
MPH1050-6R8M	6.80	20%	16.0	11.90	14.00	7.20	8.50
MPH1050-100M	10.0	20%	25.0	8.50	10.00	6.80	8.00
MPH1050-220M	22.0	20%	45.0	5.10	6.00	4.70	5.50
MPH1050-330M	33.0	20%	70.0	4.30	5.00	3.80	4.50
MPH1050-470M	47.0	20%	100	4.30	5.00	3.40	4.00
MPH1050-680M	68.0	20%	145	3.00	3.50	2.60	3.00
MPH1050-101M	100.0	20%	260	2.60	3.00	2.10	2.50

MPH1240 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH1240-R22M	0.22	20%	0.90	40.00	50.00	38.00	42.00
MPH1240-R47M	0.47	20%	2.00	38.40	48.00	29.00	33.00
MPH1240-R68M	0.68	20%	3.50	37.60	47.00	24.00	28.00
MPH1240-R82M	0.82	20%	4.50	32.00	40.00	24.00	28.00
MPH1240-1R0M	1.00	20%	7.50	28.00	35.00	20.00	24.00
MPH1240-1R5M	1.50	20%	9.50	24.40	30.50	17.00	20.00
MPH1240-2R2M	2.20	20%	11.5	20.80	26.00	15.00	18.00
MPH1240-3R3M	3.30	20%	13.0	16.80	21.00	13.00	15.00
MPH1240-4R7M	4.70	20%	14.5	14.40	18.00	11.00	13.00
MPH1240-6R8M	6.80	20%	20.0	11.20	14.00	8.00	9.00
MPH1240-100M	10.0	20%	25.0	8.00	10.00	7.00	8.00
MPH1240-150M	15.0	20%	39.0	6.00	7.50	5.80	6.50
MPH1240-220M	22.0	20%	51.0	4.80	6.00	3.80	4.50

MPH1250 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH1250-R22M	0.22	20%	0.70	60.00	75.00	45.00	50.00
MPH1250-R36M	0.36	20%	0.85	40.00	50.00	37.00	42.00
MPH1250-R50M	0.50	20%	1.15	38.40	48.00	33.00	38.00
MPH1250-R68M	0.68	20%	1.55	36.80	46.00	29.00	33.00
MPH1250-R82M	0.82	20%	1.67	31.20	39.00	26.00	30.00
MPH1250-1R0M	1.00	20%	2.20	28.00	35.00	22.00	26.00
MPH1250-1R5M	1.50	20%	3.20	26.40	33.00	19.00	23.00
MPH1250-2R2M	2.20	20%	5.00	19.20	24.00	13.00	15.00
MPH1250-3R3M	3.30	20%	7.00	17.60	22.00	12.00	14.00
MPH1250-4R7M	4.70	20%	9.00	16.00	20.00	11.00	13.00
MPH1250-6R8M	6.80	20%	18.0	12.80	16.00	10.00	12.00
MPH1250-100M	10.0	20%	22.0	9.60	12.00	8.00	9.00
MPH1250-150M	15.0	20%	30.0	8.00	10.00	7.00	8.00
MPH1250-220M	22.0	20%	58.0	5.20	6.50	3.80	4.50
MPH1250-330M	33.0	20%	84.0	4.80	6.00	2.80	3.50
MPH1250-470M	47.0	20%	130	4.00	5.00	2.60	3.00

MPH1260 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH1260-1R5M	1.50	20%	2.90	27.00	30.00	23.00	27.00
MPH1260-2R2M	2.20	20%	4.20	24.00	28.00	18.00	22.00
MPH1260-3R3M	3.30	20%	6.80	21.00	25.00	14.00	17.00
MPH1260-4R7M	4.70	20%	9.00	19.20	24.00	12.00	15.00
MPH1260-5R6M	5.60	20%	11.0	18.00	22.50	11.00	13.00
MPH1260-6R8M	6.80	20%	13.5	15.20	19.00	10.00	12.00
MPH1260-8R2M	8.20	20%	16.0	10.80	13.50	9.00	11.00
MPH1260-100M	10.0	20%	20.7	11.10	12.50	8.50	10.00
MPH1260-120M	12.0	20%	23.0	8.00	10.00	7.80	9.00
MPH1260-150M	15.0	20%	29.0	7.20	9.00	7.50	8.50
MPH1260-180M	18.0	20%	35.0	6.40	8.00	6.50	7.50
MPH1260-220M	22.0	20%	39.5	6.00	7.50	6.00	7.00
MPH1260-270M	27.0	20%	56.0	5.20	6.50	5.00	6.00
MPH1260-330M	33.0	20%	75.0	4.80	6.00	4.80	5.50
MPH1260-470M	47.0	20%	90.0	4.40	5.50	4.20	5.00
MPH1260-680M	68.0	20%	140	3.60	4.50	3.20	4.00
MPH1260-101M	100.0	20%	200	2.80	3.50	2.50	3.00
MPH1260-121M	120.0	20%	235	2.56	3.20	1.70	2.00
MPH1260-151M	150.0	20%	350	2.16	2.70	1.20	1.50

MPH1265 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH1265-4R7M	4.70	20%	8.50	19.20	24.00	12.80	16.00
MPH1265-5R6M	5.60	20%	10.5	18.00	22.50	11.20	14.00
MPH1265-6R8M	6.80	20%	12.0	15.20	19.00	10.40	13.00
MPH1265-8R2M	8.20	20%	14.0	12.80	16.00	9.60	12.00
MPH1265-100M	10.0	20%	16.5	12.00	15.00	8.80	11.00
MPH1265-150M	15.0	20%	26.0	8.80	11.00	7.60	9.50
MPH1265-220M	22.0	20%	36.0	7.20	9.00	6.40	8.00
MPH1265-330M	33.0	20%	65.0	6.40	8.00	5.20	6.50
MPH1265-470M	47.0	20%	70.0	5.44	6.80	4.40	5.50
MPH1265-680M	68.0	20%	120	4.16	5.20	3.84	4.80
MPH1265-820M	82.0	20%	135	3.60	4.50	3.20	4.00
MPH1265-101M	100.0	20%	170	3.20	4.00	2.80	3.50

MPH1260 Electrical Characteristics

Part No.	Inductance (uH)	Tolerance (%)	DCR (mΩ)Max.	Isat (A)Max.	Isat (A)Typ.	Irms (A)Max.	Irms (A)Typ.
MPH1770-2R2M	2.20	20%	2.50	27.20	34.00	23.20	29.00
MPH1770-3R3M	3.30	20%	4.00	24.00	30.00	19.20	24.00
MPH1770-4R7M	4.70	20%	4.80	19.20	24.00	16.80	21.00
MPH1770-6R8M	6.80	20%	7.50	17.60	22.00	13.60	17.00
MPH1770-8R2M	8.20	20%	8.70	16.00	20.00	10.40	13.00
MPH1770-100M	10.0	20%	9.90	15.20	19.00	9.60	12.00
MPH1770-150M	15.0	20%	17.0	11.60	14.50	8.80	11.00
MPH1770-220M	22.0	20%	23.0	9.20	11.50	6.80	8.50
MPH1770-330M	33.0	20%	37.0	8.00	10.00	6.40	8.00
MPH1770-470M	47.0	20%	47.0	6.00	7.50	4.80	6.00
MPH1770-680M	68.0	20%	85.0	5.20	6.50	4.16	5.20
MPH1770-101M	100.0	20%	130	4.00	5.00	2.96	3.70

Remarks:

- * All test data is referenced to 25°C ambient temperature .
- * Test equipment: VC4092B, TH2516B, HP4284/HP4284A, HP4285 or equivalent .
- * Inductance: at 100kHz/1.0Vrms.
- * Isat: DC current at which the inductance drops 30% from its initial value without current.
- * I rms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25°C.