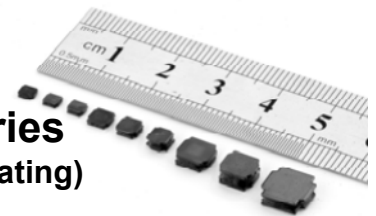


# Wire Wound SMD Power Inductors – HMSP Series

Operating temperature range: -40°C~+125°C (Including self-heating)



## FEATURES

- z Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
- z Metallization on ferrite core results in excellent shock resistance and damage-free durability
- z Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- z 30% higher current rating than conventional inductors of equal size
- z Takes up less PCB real estate and save more power

## APPLICATIONS

- z LED Lighting
- z Next-generation mobile devices with multifunction such as mobile TV and digital movie cameras
- z Flat-screen TVs, blue-ray disc recorders, set top box
- z Notebooks, desktop computers, servers, graphic cards
- z Portable gaming devices, personal navigation systems, personal multimedia devices
- z Automotive systems
- z Telecomm base stations

## PRODUCT IDENTIFICATION

**HMSP**      **3012**      **S**      **1R0**      **N**      **I**      □□□

①                      ②                      ③                      ④                      ⑤                      ⑥                      ⑦

① Type	
HMSP	Wire Wound SMD Power Inductor

③ Feature Type	
S	Standard

④ Nominal Inductance	
Example	Nominal Value
1R0	1.0μH
100	10μH

⑤ Inductance Tolerance	
M	±20%
N	±30%

⑥ Packing	
T	Tape Carrier Package

⑦ Design Code	
□□□	Standard product is blank

② 外形尺寸尺寸(L×W×H) [mm] External Dimensions (L×W×H) [mm]	
252010	2.5×2.0×1.0
252012	2.5×2.0×1.2
3010	3.0×3.0×1.0
3012	3.0×3.0×1.2
3015	3.0×3.0×1.5
4010	4.0×4.0×1.0
4012	4.0×4.0×1.2
4018	4.0×4.0×1.8
4020	4.0×4.0×2.0
4026	4.0×4.0×2.6
4030	4.0×4.0×3.0
5012	5.0×5.0×1.2
5020	5.0×5.0×2.0
5040	5.0×5.0×4.0
6010	6.0×6.0×1.0
6012	6.0×6.0×1.2
6020	6.0×6.0×2.0
6028	6.0×6.0×2.8
6040	6.0×6.0×4.0
6045	6.0×6.0×4.5
8040	8.0×8.0×4.0
8050	8.0×8.0×5.0
8065	8.0×8.0×6.5

# SHAPE AND DIMENSIONS

Fig.1

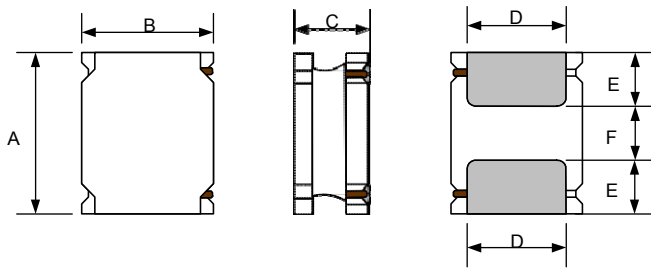


Fig.2

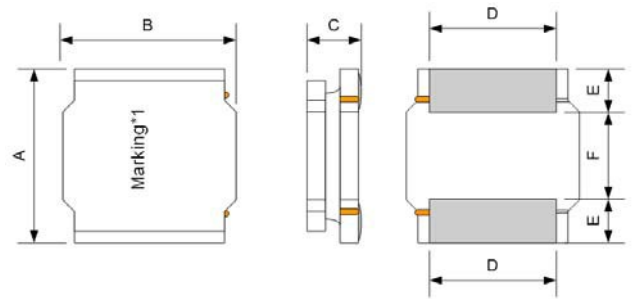
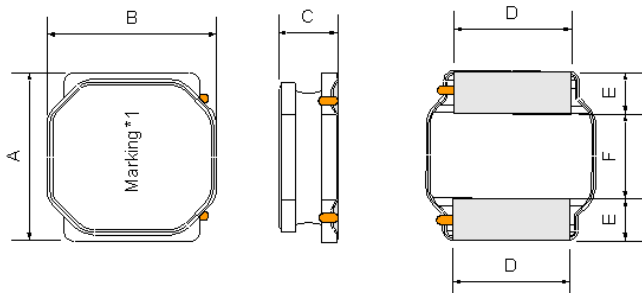
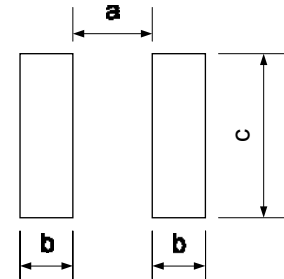


Fig.3



Recommended Land Pattern



Unit: mm

Series	Shape	A	B	C	D	E	F	a Typ.	b Typ.	c Typ.
HMSP252010S	Fig.1	2.5±0.1	2.0±0.1	1.0 Max.	1.5±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
HMSP252012S	Fig.1	2.5±0.1	2.0±0.1	1.2 Max.	1.5±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
HMSP3010S	Fig.2	3.0±0.2	3.0±0.2	1.0 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
HMSP3012S	Fig.2	3.0±0.2	3.0±0.2	1.2 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
HMSP3015S	Fig.2	3.0±0.2	3.0±0.2	1.5 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
HMSP4010S	Fig.2	4.0±0.2	4.0±0.2	1.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
HMSP4012S	Fig.2	4.0±0.2	4.0±0.2	1.2 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
HMSP4018S	Fig.2	4.0±0.2	4.0±0.2	1.8 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
HMSP4020S	Fig.2	4.0±0.2	4.0±0.2	2.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
HMSP4026S	Fig.2	4.0±0.2	4.0±0.2	2.6 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
HMSP4030S	Fig.2	4.0±0.2	4.0±0.2	3.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
HMSP5012S	Fig.3	5.0±0.2	5.0±0.2	1.2 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
HMSP5020S	Fig.3	5.0±0.2	5.0±0.2	2.0 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
HMSP5040S	Fig.3	5.0±0.2	5.0±0.2	4.0 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
HMSP6010S	Fig.2	6.0±0.3	6.0±0.3	1.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
HMSP6012S	Fig.2	6.0±0.3	6.0±0.3	1.2 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
HMSP6020S	Fig.2	6.0±0.3	6.0±0.3	2.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
HMSP6028S	Fig.2	6.0±0.3	6.0±0.3	2.8 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
HMSP6040S	Fig.2	6.0±0.3	6.0±0.3	4.0Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
HMSP6045S	Fig.2	6.0±0.3	6.0±0.3	4.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
HMSP8040S	Fig.3	8.0±0.3	8.0±0.3	4.2 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
HMSP8050S	Fig.3	8.0±0.3	8.0±0.3	5.0 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
HMSP8065S	Fig.3	8.0±0.3	8.0±0.3	6.5 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5

※\*1: All products are printed with Marking except the 252010S, 252012S, 3010S, 3012S and 3015S series.

# SPECIFICATIONS

## HMSP252010S Series

Part Number	Inductance @100kHz,1V	DC Resistance		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HMSP252010SR47NT	0.47±30%	0.056	0.047	206	2.50	3.35	2.35	2.56
HMSP252010SR56NT	0.56±30%	0.072	0.060	160	2.90	3.20	2.00	2.18
HMSP252010SR68NT	0.68±30%	0.074	0.062	129	2.20	2.75	2.00	2.18
HMSP252010S1R0NT	1.0±30%	0.108	0.090	100	1.85	2.20	1.65	1.80
HMSP252010S1R5NT	1.5±30%	0.182	0.152	81	1.80	2.10	1.30	1.42
HMSP252010S2R2NT	2.2±30%	0.209	0.174	61	1.20	1.60	1.20	1.31
HMSP252010S3R3MT	3.3±20%	0.328	0.273	47	1.05	1.30	0.90	0.98
HMSP252010S4R7MT	4.7±20%	0.563	0.469	42	0.95	1.15	0.70	0.76
HMSP252010S5R6MT	5.6±20%	0.563	0.469	35	0.80	0.95	0.73	0.80
HMSP252010S6R8MT	6.8±20%	0.896	0.747	31	0.78	0.92	0.59	0.64
HMSP252010S100MT	10±20%	1.092	0.910	27	0.65	0.78	0.50	0.55

## HMSP252012S Series

Part Number	Inductance @100kHz,1V	DC Resistance		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HMSP252012SR47NT	0.47±30%	0.061	0.047	160	3.82	4.27	2.15	2.34
HMSP252012SR68NT	0.68±30%	0.074	0.057	140	3.28	3.68	1.95	2.13
HMSP252012S1R0NT	1.0±30%	0.090	0.069	110	2.59	2.90	1.93	2.10
HMSP252012S1R2NT	1.2±30%	0.129	0.099	100	2.38	2.67	1.46	1.59
HMSP252012S1R5MT	1.5±20%	0.147	0.113	97	2.24	2.51	1.40	1.53
HMSP252012S1R5NTY01	1.5±30%	0.130	0.100	63	1.80	2.0	1.45	1.58
HMSP252012S2R2MT	2.2±20%	0.216	0.166	69	1.85	2.07	1.15	1.25
HMSP252012S2R2NTY02	2.2±30%	0.153	0.118	53	1.55	1.75	1.30	1.42
HMSP252012S2R7MT	2.7±20%	0.239	0.184	63	1.72	1.92	1.09	1.19
HMSP252012S3R3MT	3.3±20%	0.264	0.203	62	1.61	1.80	1.04	1.13
HMSP252012S3R6MT	3.6±20%	0.348	0.268	53	1.46	1.64	0.90	0.98
HMSP252012S4R3MT	4.3±20%	0.377	0.290	51	1.37	1.53	0.87	0.95
HMSP252012S4R7MT	4.7±20%	0.377	0.290	47	1.12	1.25	0.84	0.92
HMSP252012S5R1MT	5.1±20%	0.500	0.385	44	1.23	1.37	0.75	0.82
HMSP252012S5R6MT	5.6±20%	0.538	0.414	38	1.11	1.25	0.73	0.80
HMSP252012S6R2MT	6.2±20%	0.542	0.417	38	1.03	1.16	0.73	0.80
HMSP252012S6R8MT	6.8±20%	0.581	0.447	38	0.98	1.09	0.69	0.75
HMSP252012S7R5MT	7.5±20%	0.611	0.470	35	0.97	1.09	0.68	0.74
HMSP252012S8R2MT	8.2±20%	0.658	0.506	36	0.98	1.10	0.65	0.71
HMSP252012S9R1MT	9.1±20%	0.690	0.531	34	0.91	1.02	0.62	0.68
HMSP252012S100MT	10±20%	0.690	0.531	34	0.79	0.88	0.62	0.68
HMSP252012S120MT	12±20%	1.075	0.827	28	0.78	0.88	0.51	0.56
HMSP252012S150MT	15±20%	1.591	1.224	25	0.68	0.77	0.42	0.46
HMSP252012S220MT	22±20%	1.976	1.520	20	0.53	0.59	0.38	0.41

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# SPECIFICATIONS

## HMSP3010S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP3010S1R0NT	1.0±30%	0.085	0.065	180	1.40	2.10	1.45	1.80
HMSP3010S1R2NT	1.2±30%	0.085	0.065	137	1.25	1.70	1.45	1.80
HMSP3010S1R5NT	1.5±30%	0.104	0.080	120	1.27	1.70	1.30	1.60
HMSP3010S2R2NT	2.2±30%	0.143	0.110	100	1.15	1.50	1.09	1.40
HMSP3010S2R7NT	2.7±30%	0.169	0.130	90	1.00	1.20	1.02	1.40
HMSP3010S3R3NT	3.3±30%	0.189	0.145	74	0.97	1.20	0.96	1.20
HMSP3010S3R6MT	3.6±20%	0.215	0.165	67	0.95	1.20	0.90	1.10
HMSP3010S4R7MT	4.7±20%	0.293	0.225	59	0.75	1.05	0.77	1.10
HMSP3010S5R6MT	5.6±20%	0.322	0.248	40	0.58	0.65	0.70	1.05
HMSP3010S6R8MT	6.8±20%	0.397	0.305	42	0.55	0.72	0.66	0.96
HMSP3010S8R2MT	8.2±20%	0.520	0.400	23	0.55	0.7	0.58	0.7
HMSP3010S100MT	10±20%	0.52	0.400	39	0.55	0.75	0.58	0.70
HMSP3010S120MT	12±20%	0.657	0.505	36	0.43	0.65	0.52	0.67
HMSP3010S150MT	15±20%	0.793	0.610	30	0.42	0.57	0.47	0.57
HMSP3010S220MT	22±20%	1.209	0.930	28	0.35	0.48	0.38	0.52
HMSP3010S270MT	27±20%	1.404	1.080	25	0.30	0.45	0.35	0.50
HMSP3010S330MT	33±20%	2.015	1.550	18	0.29	0.42	0.30	0.55
HMSP3010S390MT	39±20%	2.275	1.750	18	0.28	0.38	0.28	0.53
HMSP3010S430MT	43±20%	2.340	1.800	18	0.23	0.36	0.27	0.52
HMSP3010S470MT	47±20%	2.535	1.950	18	0.22	0.35	0.26	0.52
HMSP3010S510MT	51±20%	2.86	2.200	18	0.21	0.33	0.25	0.48
HMSP3010S560MT	56±20%	3.016	2.320	16	0.21	0.28	0.24	0.35

## HMSP3012S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP3012SR22NT	0.22±30%	0.022	0.017	321	5.30	6.00	3.00	3.30
HMSP3012SR82NT	0.82±30%	0.039	0.030	180	2.05	2.80	2.47	3.00
HMSP3012S1R0NT	1.0±30%	0.052	0.040	120	1.87	2.80	2.20	2.70
HMSP3012S1R2NT	1.2±30%	0.059	0.045	120	2.22	2.50	2.01	2.20
HMSP3012S1R5NT	1.5±30%	0.059	0.045	110	1.62	1.90	2.01	2.20
HMSP3012S1R8NT	1.8±30%	0.082	0.063	90	1.30	1.90	1.65	1.80
HMSP3012S2R2NT	2.2±30%	0.098	0.075	84	1.20	1.90	1.55	1.70
HMSP3012S2R4NT	2.4±30%	0.088	0.068	100	1.15	1.50	1.60	1.70
HMSP3012S2R7NT	2.7±30%	0.110	0.085	65	1.14	1.50	1.48	1.50
HMSP3012S3R3MT	3.3±20%	0.130	0.100	64	1.05	1.50	1.36	1.40
HMSP3012S3R6MT	3.6±20%	0.130	0.100	36	1.05	1.50	1.36	1.40
HMSP3012S3R9MT	3.9±20%	0.189	0.145	61	1.00	1.30	1.24	1.30
HMSP3012S4R7MT	4.7±20%	0.156	0.120	61	0.90	1.00	1.24	1.30
HMSP3012S5R6MT	5.6±20%	/	0.174	61	/	0.80	/	1.13
HMSP3012S6R8MT	6.8±20%	0.247	0.190	61	0.75	0.90	0.98	1.10
HMSP3012S100MT	10±20%	0.345	0.265	42	0.60	0.88	0.83	0.90
HMSP3012S120MT	12±20%	0.449	0.345	32	0.48	0.67	0.73	0.84
HMSP3012S150MT	15±20%	0.468	0.360	27	0.45	0.62	0.71	0.77

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# SPECIFICATIONS

## HMSP3012S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current <sup>*3</sup>		Heat Rating Current <sup>*4</sup>	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP3012S180MT	18±20%	0.709	0.545	25	0.43	0.59	0.58	0.65
HMSP3012S220MT	22±20%	0.839	0.645	23	0.42	0.52	0.53	0.59
HMSP3012S270MT	27±20%	1.131	0.870	21	0.35	0.48	0.47	0.51
HMSP3012S330MT	33±20%	1.138	0.875	18	0.36	0.46	0.46	0.50
HMSP3012S360MT	36±20%	1.235	0.950	18	0.34	0.44	0.44	0.48
HMSP3012S390MT	39±20%	1.729	1.330	18	0.30	0.39	0.37	0.41
HMSP3012S470MT	47±20%	1.885	1.450	14	0.27	0.35	0.35	0.40
HMSP3012S560MT	56±20%	1.79	1.380	9	0.26	0.33	0.28	0.40
HMSP3012S680MT	68±20%	2.171	1.670	12	0.24	0.29	0.33	0.37
HMSP3012S820MT	82±20%	3.302	2.540	12	0.17	0.27	0.27	0.31
HMSP3012S101MT	100±20%	3.718	2.860	12	0.21	0.23	0.25	0.29

## HMSP3015S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current <sup>*3</sup>		Heat Rating Current <sup>*4</sup>	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP3015SR50NT	0.50±30%	0.039	0.030	162	3.90	4.20	2.60	2.80
HMSP3015S1R0NT	1.0±30%	0.039	0.030	150	2.32	2.80	2.35	2.50
HMSP3015S1R2NT	1.2±30%	0.052	0.040	110	2.21	3.10	1.95	2.30
HMSP3015S1R5NT	1.5±30%	0.065	0.050	100	2.30	2.70	1.70	2.20
HMSP3015S1R8NT	1.8±30%	0.065	0.050	92	1.75	2.20	1.70	2.20
HMSP3015S2R2NT	2.2±30%	0.078	0.060	86	1.60	2.00	1.60	2.00
HMSP3015S2R7NT	2.7±30%	0.098	0.075	64	1.52	1.90	1.43	1.90
HMSP3015S3R3MT	3.3±20%	0.104	0.080	68	1.32	1.81	1.36	1.60
HMSP3015S3R6MT	3.6±20%	0.137	0.105	59	1.28	1.60	1.20	1.50
HMSP3015S3R9MT	3.9±20%	0.137	0.105	47	1.20	1.40	1.20	1.50
HMSP3015S4R3MT	4.3±20%	0.150	0.115	53	1.20	1.40	1.14	1.30
HMSP3015S4R7MT	4.7±20%	0.163	0.125	46	1.10	1.40	1.09	1.30
HMSP3015S5R1MT	5.1±20%	0.173	0.133	49	1.00	1.20	1.05	1.20
HMSP3015S6R2MT	6.2±20%	0.254	0.195	46	1.00	1.20	0.86	1.00
HMSP3015S6R8MT	6.8±20%	0.260	0.200	39	0.85	1.10	0.85	1.10
HMSP3015S100MT	10±20%	0.325	0.250	41	0.72	0.92	0.77	0.90
HMSP3015S120MT	12±20%	0.416	0.320	32	0.70	0.90	0.68	0.89
HMSP3015S150MT	15±20%	0.455	0.350	30	0.66	0.88	0.65	0.72
HMSP3015S180MT	18±20%	0.559	0.430	23	0.56	0.72	0.59	0.72
HMSP3015S220MT	22±20%	0.598	0.460	23	0.52	0.68	0.57	0.69
HMSP3015S270MT	27±20%	0.949	0.730	22	0.48	0.56	0.45	0.56
HMSP3015S330MT	33±20%	1.066	0.820	20	0.44	0.53	0.43	0.51
HMSP3015S390MT	39±20%	1.294	0.995	14	0.41	0.55	0.39	0.44
HMSP3015S430MT	43±20%	1.378	1.060	16	0.37	0.43	0.37	0.48
HMSP3015S470MT	47±20%	1.625	1.250	14	0.35	0.43	0.35	0.44
HMSP3015S560MT	56±20%	1.664	1.280	13	0.33	0.42	0.34	0.41
HMSP3015S620MT	62±20%	2.093	1.610	13	0.30	0.40	0.30	0.41
HMSP3015S680MT	68±20%	3.510	2.700	11	0.28	0.37	0.23	0.31
HMSP3015S101MT	100±20%	4.043	3.110	100	0.23	0.25	0.21	0.25
HMSP3015S151MT	150±20%	4.940	3.800	150	0.18	0.22	0.19	0.23

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# SPECIFICATIONS

## HMSP4010S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP4010S1R0NT	1.0±30%	0.067	0.056	116	2.00	2.30	1.90	2.40
HMSP4010S1R5NT	1.5±30%	0.084	0.070	94	1.68	2.00	1.70	2.00
HMSP4010S2R2MT	2.2±20%	0.102	0.085	73	1.20	1.50	1.50	2.00
HMSP4010S3R3MT	3.3±20%	0.120	0.100	58	1.10	1.40	1.40	1.80
HMSP4010S4R7MT	4.7±20%	0.168	0.140	47	0.95	1.10	1.20	1.50
HMSP4010S6R8MT	6.8±20%	0.240	0.200	38	0.80	0.95	1.00	1.20
HMSP4010S100MT	10±20%	0.360	0.300	31	0.62	0.75	0.75	1.00
HMSP4010S150MT	15±20%	0.516	0.430	24	0.54	0.61	0.60	0.85
HMSP4010S220MT	22±20%	0.684	0.570	19	0.45	0.52	0.50	0.75

## HMSP4012S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP4012SR82NT	0.82±30%	0.065	0.050	150	3.02	3.30	1.65	2.50
HMSP4012S1R0NT	1.0±30%	0.065	0.050	120	2.61	3.20	1.65	2.50
HMSP4012S1R5NT	1.5±30%	0.085	0.065	90	2.10	2.70	1.46	2.20
HMSP4012S1R8NT	1.8±30%	0.104	0.080	88	2.12	2.60	1.32	1.90
HMSP4012S2R2NT	2.2±30%	0.104	0.080	74	1.76	2.30	1.32	1.90
HMSP4012S2R7NT	2.7±30%	0.117	0.090	71	1.90	2.30	1.25	1.70
HMSP4012S3R3NT	3.3±30%	0.143	0.110	60	1.72	2.10	1.12	1.60
HMSP4012S3R6NT	3.6±30%	0.143	0.110	57	1.20	1.70	1.12	1.60
HMSP4012S4R3NT	4.3±30%	0.182	0.140	54	1.58	1.70	1.00	1.50
HMSP4012S4R7NT	4.7±30%	0.163	0.125	50	1.15	1.80	1.05	1.50
HMSP4012S5R1NT	5.1±30%	0.201	0.155	50	1.55	1.60	0.95	1.50
HMSP4012S5R6NT	5.6±30%	0.182	0.140	42	1.00	1.60	1.00	1.20
HMSP4012S6R8MT	6.8±20%	0.257	0.198	40	0.85	1.40	0.84	1.20
HMSP4012S100MT	10±20%	0.345	0.265	33	0.80	1.10	0.77	1.00
HMSP4012S120MT	12±20%	0.377	0.290	32	0.66	1.00	0.70	0.95
HMSP4012S150MT	15±20%	0.442	0.340	25	0.56	0.80	0.64	0.85
HMSP4012S180MT	18±20%	0.611	0.470	23	0.55	0.75	0.55	0.80
HMSP4012S220MT	22±20%	0.763	0.587	20	0.46	0.70	0.49	0.75
HMSP4012S270MT	27±20%	0.936	0.720	18	0.50	0.70	0.45	0.60
HMSP4012S330MT	33±20%	1.053	0.810	17	0.42	0.60	0.42	0.58
HMSP4012S360MT	36±20%	1.170	0.900	14	0.40	0.50	0.40	0.56
HMSP4012S390MT	39±20%	1.430	1.100	16	0.55	0.66	0.37	0.50
HMSP4012S470MT	47±20%	1.430	1.100	12	0.35	0.50	0.37	0.50
HMSP4012S560MT	56±20%	1.625	1.250	11	0.33	0.45	0.33	0.46
HMSP4012S680MT	68±20%	2.535	1.950	11	0.38	0.45	0.27	0.45
HMSP4012S820MT	82±20%	2.782	2.140	11	0.28	0.40	0.26	0.36
HMSP4012S101MT	100±20%	2.873	2.210	9.4	0.25	0.30	0.25	0.35

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# SPECIFICATIONS

## HMSP4018S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	µH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP4018SR47NT	0.47±30%	0.018	0.014	155	4.30	5.20	4.00	4.50
HMSP4018SR68NT	0.68±30%	0.026	0.020	128	4.90	5.60	3.30	3.80
HMSP4018S1R0NT	1.0±30%	0.033	0.025	80	4.80	5.20	2.00	3.30
HMSP4018S1R5NT	1.5±30%	0.039	0.030	65	3.35	4.00	1.80	3.20
HMSP4018S1R8NT	1.8±30%	0.044	0.034	54	3.00	3.40	2.00	2.80
HMSP4018S2R2MT	2.2±20%	0.059	0.045	52	2.70	3.20	1.65	2.60
HMSP4018S3R3MT	3.3±20%	0.091	0.070	44	2.45	2.90	1.23	2.10
HMSP4018S4R7MT	4.7±20%	0.117	0.090	34	1.70	2.20	1.20	1.80
HMSP4018S6R8MT	6.8±20%	0.143	0.110	29	1.45	2.00	1.06	1.50
HMSP4018S100MT	10±20%	0.234	0.180	24	1.30	1.60	0.84	1.20
HMSP4018S150MT	15±20%	0.325	0.250	19	0.94	1.10	0.65	1.00
HMSP4018S220MT	22±20%	0.468	0.360	16	0.80	0.88	0.59	0.85
HMSP4018S330MT	33±20%	0.689	0.530	12	0.56	0.75	0.49	0.72
HMSP4018S470MT	47±20%	0.845	0.650	10	0.57	0.70	0.42	0.65
HMSP4018S680MT	68±20%	1.300	1.000	8.3	0.47	0.51	0.32	0.52
HMSP4018S101MT	100±20%	2.275	1.750	6.5	0.40	0.44	0.25	0.41
HMSP4018S151MT	150±20%	3.250	2.500	5.5	0.31	0.34	0.22	0.36
HMSP4018S221MT	220±20%	5.200	4.000	4	0.27	0.30	0.17	0.27

## HMSP4020S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	µH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP4020SR24MT	0.24±20%	0.014	0.011	283	10.5	12.5	4.50	5.20
HMSP4020SR33NT	0.33±30%	0.016	0.013	223	7.50	8.50	3.30	4.90
HMSP4020SR47NT	0.47±30%	0.029	0.022	160	7.00	7.50	3.30	3.70
HMSP4020SR68NT	0.68±30%	0.036	0.028	120	6.40	6.60	2.80	3.30
HMSP4020S1R0NT	1.0±30%	0.038	0.029	75	4.78	5.20	2.15	3.20
HMSP4020S1R2NT	1.2±30%	0.038	0.029	72	5.10	5.60	2.15	3.20
HMSP4020S1R5NT	1.5±30%	0.046	0.035	71	4.45	4.90	1.98	3.00
HMSP4020S2R2NT	2.2±30%	0.052	0.040	49	3.40	3.70	1.85	2.80
HMSP4020S3R3MT	3.3±20%	0.091	0.070	44	3.20	3.50	1.40	2.50
HMSP4020S3R6MT	3.6±20%	0.072	0.055	49	2.80	3.00	1.54	2.50
HMSP4020S4R7MT	4.7±20%	0.098	0.075	42	2.35	2.50	1.34	2.00
HMSP4020S5R1MT	5.1±20%	0.111	0.085	42	2.30	2.50	1.27	1.80
HMSP4020S5R6MT	5.6±20%	0.117	0.090	30	2.20	2.40	1.22	1.80
HMSP4020S6R2MT	6.2±20%	0.150	0.115	36	2.15	2.30	1.08	1.60
HMSP4020S6R8MT	6.8±20%	0.163	0.125	33	2.20	2.40	1.04	1.60
HMSP4020S7R5MT	7.5±20%	0.150	0.115	30	1.85	2.00	1.08	1.50
HMSP4020S8R2MT	8.2±20%	0.163	0.125	27	1.75	1.90	1.04	1.40
HMSP4020S100MT	10±20%	0.215	0.165	26	1.60	1.70	0.90	1.20
HMSP4020S120MT	12±20%	0.228	0.175	26	1.50	1.60	0.88	1.20
HMSP4020S150MT	15±20%	0.299	0.230	24	1.35	1.50	0.77	1.10
HMSP4020S220MT	22±20%	0.455	0.350	15	1.05	1.10	0.62	0.87
HMSP4020S270MT	27±20%	0.709	0.545	14	1.02	1.10	0.50	0.70

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# SPECIFICATIONS

## HMSP4020S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP4020S330MT	33±20%	0.715	0.550	11	0.85	0.93	0.49	0.68
HMSP4020S390MT	39±20%	0.845	0.650	11	0.82	0.90	0.46	0.64
HMSP4020S430MT	43±20%	0.858	0.660	10	0.77	0.85	0.45	0.63
HMSP4020S470MT	47±20%	0.923	0.710	10	0.74	0.81	0.44	0.61
HMSP4020S510MT	51±20%	0.975	0.750	10	0.70	0.77	0.42	0.59
HMSP4020S560MT	56±20%	1.040	0.800	10	0.66	0.72	0.41	0.57
HMSP4020S620MT	62±20%	1.170	0.900	9.6	0.65	0.71	0.39	0.52
HMSP4020S680MT	68±20%	1.380	1.060	7.7	0.61	0.67	0.36	0.50
HMSP4020S750MT	75±20%	1.510	1.160	7.7	0.70	0.77	0.35	0.49
HMSP4020S820MT	82±20%	1.520	1.170	7.2	0.50	0.55	0.34	0.47
HMSP4020S101MT	100±20%	2.020	1.550	6.3	0.48	0.53	0.31	0.43

## HMSP4026S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP4026S1R0NT	1.0±30%	0.024		151	3.30		3.00	
HMSP4026S1R2NT	1.2±30%	0.030		120	3.10		2.30	
HMSP4026S1R5NT	1.5±30%	0.030		100	2.40		2.30	
HMSP4026S2R2MT	2.2±20%	0.040		96	2.10		2.00	
HMSP4026S3R3MT	3.3±20%	0.050		58	1.80		1.70	
HMSP4026S4R7MT	4.7±20%	0.055		46	1.45		1.60	
HMSP4026S6R8MT	6.8±20%	0.065		33	1.30		1.50	
HMSP4026S100MT	10±20%	0.085		26	1.00		1.30	
HMSP4026S150MT	15±20%	0.110		19	0.90		1.10	
HMSP4026S220MT	22±20%	0.165		13	0.60		0.90	
HMSP4026S330MT	33±20%	0.270		9	0.55		0.70	
HMSP4026S470MT	47±20%	0.300		6	0.40		0.65	

## HMSP4030S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP4030SR68NT	0.68±30%	0.010		130	6.80		4.56	
HMSP4030SR91NT	0.91±30%	0.013		100	6.25		4.15	
HMSP4030S1R0NT	1.0±30%	0.014		70	5.26		4.15	
HMSP4030S1R2NT	1.2±30%	0.015		80	5.80		3.82	
HMSP4030S1R5NT	1.5±30%	0.020		62	4.84		3.34	
HMSP4030S1R8NT	1.8±30%	0.025		60	5.40		3.20	
HMSP4030S2R2NT	2.2±30%	0.030		52	4.90		2.95	
HMSP4030S3R3MT	3.3±20%	0.040		38	3.30		2.40	

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# SPECIFICATIONS

## HMSP4030S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
HMSP4030S3R6MT	3.6±20%	0.040	37	3.00	2.40
HMSP4030S3R9MT	3.9±20%	0.057	32	3.00	2.10
HMSP4030S4R3MT	4.3±20%	0.055	37	2.95	2.10
HMSP4030S4R7MT	4.7±20%	0.060	31	2.90	2.00
HMSP4030S5R6MT	5.6±20%	0.065	30	2.60	1.95
HMSP4030S6R8MT	6.8±20%	0.090	24	2.75	1.60
HMSP4030S7R5MT	7.5±20%	0.085	26	2.20	1.65
HMSP4030S8R2MT	8.2±20%	0.090	26	2.10	1.60
HMSP4030S100MT	10±20%	0.100	21	1.95	1.50
HMSP4030S120MT	12±20%	0.135	18	1.70	1.30
HMSP4030S150MT	15±20%	0.190	16	1.65	1.11
HMSP4030S180MT	18±20%	0.200	10	1.40	1.10
HMSP4030S220MT	22±20%	0.225	10	1.30	1.00
HMSP4030S270MT	27±20%	0.260	10	1.15	0.90
HMSP4030S330MT	33±20%	0.330	10	1.10	0.84
HMSP4030S360MT	36±20%	0.335	9.8	1.05	0.83
HMSP4030S390MT	39±20%	0.435	10	1.03	0.73
HMSP4030S470MT	47±20%	0.445	8.4	0.95	0.72
HMSP4030S510MT	51±20%	0.470	8.4	0.90	0.70
HMSP4030S560MT	56±20%	0.555	8.4	0.85	0.65
HMSP4030S620MT	62±20%	0.585	7	0.80	0.63
HMSP4030S680MT	68±20%	0.868	7	0.72	0.52
HMSP4030S750MT	75±20%	1.020	6.3	0.70	0.48
HMSP4030S820MT	82±20%	1.060	5.6	0.66	0.47
HMSP4030S910MT	91±20%	1.100	5.6	0.65	0.46
HMSP4030S101MT	100±20%	1.150	5.6	0.60	0.45
HMSP4030S121MT	120±20%	1.350	5.4	0.55	0.42
HMSP4030S151MT	150±20%	1.800	4	0.50	0.30
HMSP4030S221MT	220±20%	2.500	4.2	0.40	0.35
HMSP4030S331MT	330±20%	4.000	6.8	0.30	0.25
HMSP4030S471KT	470±10%	7.200	2	0.30	0.20
HMSP4030S501MT	500±20%	6.944	2	0.28	0.15
HMSP4030S681MT	680±20%	7.580	1.2	0.19	0.14

## HMSP5012S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP5012S1R0NT	1.0±30%	0.068	0.057	103	4.40	4.70	2.00	2.40
HMSP5012S1R5NT	1.5±30%	0.086	0.072	68	3.70	3.80	1.90	2.20
HMSP5012S2R2NT	2.2±30%	0.108	0.09	50	3.10	3.20	1.70	2.00
HMSP5012S3R3NT	3.3±30%	0.151	0.126	34	2.40	2.60	1.40	1.70
HMSP5012S4R7NT	4.7±30%	0.197	0.164	31	2.20	2.30	1.30	1.50
HMSP5012S6R8MT	6.8±20%	0.294	0.245	22	1.70	1.90	1.00	1.20
HMSP5012S100MT	10±20%	0.413	0.344	17	1.40	1.50	0.85	1.00
HMSP5012S150MT	15±20%	0.523	0.436	13	1.20	1.30	0.80	0.92
HMSP5012S220MT	220±20%	0.858	0.780	16	0.88	0.98	0.60	0.68

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# SPECIFICATIONS

## HMSP5020S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP5020SR22NT	0.22±30%	0.011	0.009	280	9.00	12.00	5.30	6.00
HMSP5020SR24NT	0.24±30%	0.011	0.009	248	8.00	10.00	5.30	6.00
HMSP5020SR47NT	0.47±30%	0.017	0.013	160	6.15	6.70	4.60	5.00
HMSP5020SR56NT	0.56±30%	0.022	0.017	137	8.50	9.60	3.80	4.20
HMSP5020SR68MT	0.68±30%	0.022	0.017	120	5.50	6.00	4.00	4.40
HMSP5020SR75NT	0.75±30%	0.022	0.017	117	5.50	6.00	4.00	4.40
HMSP5020S1R0NT	1.0±30%	0.026	0.020	114	4.10	5.00	3.80	4.10
HMSP5020S1R2NT	1.2±30%	0.029	0.022	83	4.50	4.90	3.55	3.90
HMSP5020S1R5NT	1.5±30%	0.034	0.026	68	4.10	4.50	3.20	3.50
HMSP5020S2R2NT	2.2±30%	0.042	0.032	57	3.20	4.00	2.90	3.10
HMSP5020S2R7NT	2.7±30%	0.049	0.038	52	2.90	3.50	2.70	2.90
HMSP5020S3R0NT	3.0±30%	0.049	0.038	49	2.55	2.80	2.70	2.90
HMSP5020S3R3NT	3.3±30%	0.056	0.043	46	2.55	3.00	2.50	2.70
HMSP5020S3R6NT	3.6±30%	0.056	0.043	43	2.80	3.00	2.50	2.70
HMSP5020S3R9NT	3.9±30%	0.056	0.043	40	2.30	2.80	2.50	2.70
HMSP5020S4R3MT	4.3±20%	0.074	0.057	37	2.50	3.00	2.20	2.40
HMSP5020S4R7MT	4.7±20%	0.074	0.057	37	2.50	2.70	2.20	2.40
HMSP5020S5R1MT	5.1±20%	0.083	0.064	32	2.25	2.60	2.05	2.20
HMSP5020S5R6MT	5.6±20%	0.083	0.064	32	2.30	2.50	2.05	2.20
HMSP5020S6R8MT	6.8±20%	0.108	0.083	30	2.05	2.20	1.80	1.90
HMSP5020S7R5MT	7.5±20%	0.117	0.090	26	1.85	2.00	1.75	1.90
HMSP5020S8R2MT	8.2±20%	0.127	0.098	26	1.85	2.00	1.65	1.80
HMSP5020S9R1MT	9.1±20%	0.143	0.110	24	1.70	1.80	1.55	1.70
HMSP5020S100MT	10±20%	0.143	0.110	24	1.70	1.80	1.55	1.70
HMSP5020S120MT	12±20%	0.182	0.140	22	1.50	1.60	1.40	1.50
HMSP5020S150MT	15±20%	0.215	0.165	20	1.35	1.40	1.25	1.30
HMSP5020S180MT	18±20%	0.260	0.200	16	1.25	1.30	1.15	1.20
HMSP5020S220MT	22±20%	0.294	0.226	14	1.15	1.20	1.10	1.20
HMSP5020S330MT	33±20%	0.507	0.390	10	0.92	1.00	0.90	0.99
HMSP5020S470MT	47±20%	0.680	0.523	7	0.77	0.84	0.77	0.84
HMSP5020S560MT	56±20%	0.819	0.630	6	0.77	0.84	0.70	0.77
HMSP5020S680MT	68±20%	0.962	0.740	6	0.65	0.70	0.64	0.70
HMSP5020S820MT	82±20%	1.158	0.965	6	0.65	0.75	0.50	0.60
HMSP5020S101MT	100±20%	1.430	1.100	6	0.53	0.58	0.53	0.58
HMSP5020S121MT	120±20%	1.755	1.350	6	0.42	0.53	0.40	0.50
HMSP5020S201MT	200±20%	2.600	2.00 0	4.5	0.30	0.33	0.40	0.45

## HMSP5040S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
		Max.	Typ.			
Units	μH	Ω		MHz	A	A
Symbo	L	DCR		S.R.F	Isat	Irms
HMSP5040S1R0NT	1.0±30%	0.012		117	7.35	4.90
HMSP5040S1R2NT	1.2±30%	0.016		110	6.50	4.15
HMSP5040S1R5NT	1.5±30%	0.015		86	6.30	4.30
HMSP5040S1R8MT	1.8±20%	0.016		55	5.50	4.15
HMSP5040S2R2NT	2.2±30%	0.019		50	4.90	3.80
HMSP5040S2R7NT	2.7±30%	0.022		37	4.30	3.60

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### HMSP5040S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
HMSP5040S3R0NT	3.0±30%	0.022	37	4.15	3.60
HMSP5040S3R3NT	3.3±30%	0.024	32	3.95	3.40
HMSP5040S3R6MT	3.6±20%	0.026	30	3.80	3.30
HMSP5040S3R9NT	3.9±30%	0.027	29	3.55	3.20
HMSP5040S4R7NT	4.7±30%	0.030	28	3.50	3.00
HMSP5040S5R6MT	5.6±20%	0.035	27	3.00	2.80
HMSP5040S6R8MT	6.8±20%	0.043	21	2.90	2.50
HMSP5040S8R2MT	8.2±20%	0.048	20	2.70	2.30
HMSP5040S100MT	10±20%	0.064	18	2.35	2.10
HMSP5040S150MT	15±20%	0.086	13	2.00	2.00
HMSP5040S220MT	22±20%	0.129	11	1.60	1.50
HMSP5040S330MT	33±20%	0.188	9	1.30	1.20
HMSP5040S470MT	47±20%	0.272	7	1.10	1.00
HMSP5040S680MT	68±20%	0.400	6	0.90	0.80
HMSP5040S101MT	100±20%	0.560	5	0.75	0.70
HMSP5040S151MT	150±20%	0.750	3.7	0.65	0.60
HMSP5040S102MT	1000±20%	6.000	1.3	0.21	0.20

### HMSP6010S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
HMSP6010S1R5NT	1.5±30%	0.090	91	2.40	1.90
HMSP6010S2R2NT	2.2±30%	0.110	64	1.90	1.70
HMSP6010S3R3NT	3.3±30%	0.135	51	1.60	1.50
HMSP6010S4R7NT	4.7±30%	0.165	42	1.30	1.40
HMSP6010S6R8NT	6.8±30%	0.220	30	1.20	1.20
HMSP6010S100MT	10±20%	0.270	25	1.00	1.10
HMSP6010S220MT	22±20%	0.580	12	0.65	0.70

### HMSP6012S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
HMSP6012S1R0NT	1.0±30%	0.055	80	3.52	2.30
HMSP6012S1R5NT	1.5±30%	0.075	65	2.73	2.00
HMSP6012S2R5NT	2.5±30%	0.090	45	2.10	1.80
HMSP6012S3R3NT	3.3±30%	0.105	42	1.80	1.70
HMSP6012S4R7NT	4.7±30%	0.125	36	1.60	1.55
HMSP6012S5R3NT	5.3±30%	0.125	34	1.50	1.55
HMSP6012S6R8NT	6.8±30%	0.165	30	1.30	1.35
HMSP6012S100MT	10±20%	0.200	22	1.00	1.20
HMSP6012S150MT	15±20%	0.295	18	0.80	0.80
HMSP6012S220MT	22±20%	0.465	12	0.76	0.65
HMSP6012S330MT	33±20%	0.580	8	0.59	0.55

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### HMSP6012S Series

Part Number	Inductance @100kHz, 1V	DC Resistance (±30%)	Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
Units	μH	Ω	MHz	A	A
Symbo	L	DCR	S.R.F	Isat	Irms
HMSP6012S470MT	47±20%	0.810	6	0.52	0.46
HMSP6012S680MT	68±20%	1.160	3	0.44	0.41
HMSP6012S101MT	100±20%	1.670	1	0.35	0.32

### HMSP6020S Series

Part Number	Inductance @100kHz, 1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP6020SR50NT	0.50±30%	0.018	0.014	120	4.50	6.00	4.00	5.00
HMSP6020SR68NT	0.68±30%	0.022	0.017	115	6.55	7.80	3.80	4.80
HMSP6020SR82NT	0.82±30%	0.022	0.017	110	5.30	6.30	3.80	4.80
HMSP6020S1R0NT	1.0±30%	0.020	0.020	100	4.15	5.00	3.50	4.40
HMSP6020S1R2NT	1.2±30%	0.029	0.022	88	5.90	7.00	3.20	4.00
HMSP6020S1R5NT	1.5±30%	0.029	0.022	79	4.25	5.10	3.20	4.00
HMSP6020S1R8NT	1.8±30%	0.036	0.028	68	4.85	5.80	2.75	3.50
HMSP6020S2R0NT	2.0±30%	0.046	0.035	65	4.10	4.90	2.60	3.30
HMSP6020S2R2NT	2.2±30%	0.036	0.028	61	3.75	4.50	2.75	3.50
HMSP6020S2R7NT	2.7±30%	0.046	0.035	56	3.90	4.60	2.60	3.30
HMSP6020S3R3NT	3.3±30%	0.046	0.035	51	3.15	3.70	2.60	3.30
HMSP6020S3R9NT	3.9±30%	0.064	0.049	45	3.25	3.90	2.10	2.60
HMSP6020S4R3NT	4.3±30%	0.064	0.049	44	2.70	3.20	2.10	2.60
HMSP6020S4R7NT	4.7±30%	0.075	0.058	41	3.00	3.60	2.00	2.50
HMSP6020S5R6NT	5.6±30%	0.075	0.058	36	2.40	2.90	1.90	2.40
HMSP6020S6R2NT	6.2±30%	0.103	0.079	31	2.30	2.70	1.80	2.30
HMSP6020S6R8NT	6.8±30%	0.103	0.079	31	2.20	2.60	1.80	2.30
HMSP6020S8R2NT	8.2±30%	0.137	0.105	27	2.10	2.50	1.40	1.80
HMSP6020S100MT	10±20%	0.137	0.105	27	1.75	2.10	1.40	1.80
HMSP6020S120MT	12±20%	0.156	0.120	25	1.45	1.70	1.30	1.60
HMSP6020S150MT	15±20%	0.189	0.145	21	1.20	1.40	1.20	1.50
HMSP6020S180MT	18±20%	0.234	0.180	18	1.20	1.40	1.08	1.40
HMSP6020S220MT	22±20%	0.265	0.204	16	1.05	1.20	1.00	1.30
HMSP6020S330MT	33±20%	0.390	0.300	11	0.95	1.10	0.84	1.05
HMSP6020S470MT	47±20%	0.559	0.430	10	0.70	0.90	0.80	0.90
HMSP6020S331MT	330±20%	3.419	2.630	3	0.27	0.33	0.33	0.39

### HMSP6028S Series

Part Number	Inductance @100kHz, 1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP6028SR82NT	0.82±30%	0.016	0.012	97	6.50	9.00	5.20	6.00
HMSP6028S1R0NT	1.0±30%	0.013	0.010	70	5.75	7.00	5.20	5.70
HMSP6028S1R2NT	1.2±30%	0.017	0.013	69	6.40	7.50	4.58	5.00
HMSP6028S1R5NT	1.5±30%	0.017	0.013	65	6.00	6.60	4.58	5.00
HMSP6028S2R2NT	2.2±30%	0.026	0.020	48	5.10	5.60	3.75	4.10

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## HMSP6028S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP6028S2R7NT	2.7±30%	0.026	0.02	48	3.80	4.10	3.75	4.10
HMSP6028S3R3NT	3.3±30%	0.033	0.025	41	4.15	4.50	3.48	3.80
HMSP6028S4R7NT	4.7±30%	0.039	0.030	35	3.00	3.30	3.08	3.40
HMSP6028S5R1NT	5.1±30%	0.056	0.043	32	3.20	3.50	2.60	2.80
HMSP6028S6R2MT	6.2±20%	0.061	0.047	30	3.05	3.30	2.40	2.60
HMSP6028S6R8MT	6.8±20%	0.061	0.047	27	2.60	3.00	2.40	2.60
HMSP6028S8R2MT	8.2±20%	0.072	0.055	24	2.30	2.50	2.25	2.50
HMSP6028S9R1MT	9.1±20%	0.096	0.074	24	2.55	2.80	2.15	2.40
HMSP6028S100MT	10±20%	0.094	0.072	23	2.04	2.50	1.95	2.40
HMSP6028S120MT	12±20%	0.104	0.080	18	1.80	2.00	1.85	2.00
HMSP6028S150MT	15±20%	0.163	0.125	18	1.75	1.90	1.45	1.60
HMSP6028S180MT	18±20%	0.156	0.120	15	1.52	1.80	1.45	1.60
HMSP6028S220MT	22±20%	0.182	0.140	14	1.45	1.80	1.40	1.60
HMSP6028S270MT	27±20%	0.202	0.155	13	1.50	1.60	1.32	1.40
HMSP6028S330MT	33±20%	0.241	0.185	12	1.35	1.50	1.22	1.30
HMSP6028S360MT	36±20%	0.280	0.215	11	1.25	1.40	1.13	1.20
HMSP6028S390MT	39±20%	0.293	0.225	11	1.25	1.40	1.10	1.20
HMSP6028S470MT	47±20%	0.410	0.315	9.5	1.15	1.30	1.06	1.10
HMSP6028S560MT	56±20%	0.449	0.345	8.2	1.05	1.20	0.89	1.00
HMSP6028S680MT	68±20%	0.468	0.360	7.7	0.80	0.95	0.86	0.95
HMSP6028S750MT	75±20%	0.533	0.410	7.7	0.90	0.99	0.81	0.90
HMSP6028S820MT	82±20%	0.650	0.500	7.7	0.80	0.88	0.70	0.77
HMSP6028S101MT	100±20%	0.650	0.500	7.1	0.65	0.71	0.70	0.77
HMSP6028S401MT	400±20%	2.808	2.160	2.8	0.30	0.33	0.40	0.45
HMSP6028S102MT	1000±20%	7.540	5.800	1.5	0.18	0.22	0.23	0.26

## HMSP6040S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3	Heat Rating Current *4
		Max.	Typ.			
Units	μH	Ω		MHz	A	A
Symbo	L	DCR		S.R.F	Isat	Irms
HMSP6040S1R0NT	1.0±30%	0.008		97	9.00	6.30
HMSP6040S100MT	10±20%	0.048		16	3.20	2.45
HMSP6040S120MT	12±20%	0.058		14	2.80	2.20
HMSP6040S150MT	15±20%	0.068		13	2.50	2.05
HMSP6040S220MT	22±20%	0.089		10	2.05	1.80
HMSP6040S330MT	33±20%	0.137		9.9	1.65	1.45
HMSP6040S560MT	56±20%	0.221		6.6	1.30	1.10
HMSP6040S680MT	68±20%	0.285		5.6	1.15	0.95
HMSP6040S471MT	470±20%	1.790		2.0	0.42	0.47

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## HMSP6045S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current <sup>*3</sup>		Heat Rating Current <sup>*4</sup>	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	µH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
HMSP6045SR47NT	0.47±30%	0.008	0.006	155	15.00	16.50	6.50	6.60
HMSP6045SR56NT	0.56±30%	0.008	0.006	142	15.00	14.00	6.50	7.50
HMSP6045SR68NT	0.68±30%	0.008	0.006	99	11.00	12.00	5.70	6.50
HMSP6045SR82NT	0.82±30%	0.010	0.008	140	10.35	11.00	5.90	6.50
HMSP6045S1R0NT	1.0±30%	0.014	0.011	100	9.85	10.00	5.14	5.60
HMSP6045S1R2NT	1.2±30%	0.013	0.010	100	8.35	9.10	5.40	5.90
HMSP6045S1R3NT	1.3±30%	0.013	0.010	100	8.35	9.10	5.40	5.90
HMSP6045S1R5NT	1.5±30%	0.016	0.012	65	8.80	9.70	4.95	5.40
HMSP6045S1R8NT	1.8±30%	0.016	0.012	74	7.60	8.40	4.95	5.40
HMSP6045S2R2NT	2.2±30%	0.018	0.014	52	6.75	7.40	4.60	5.00
HMSP6045S2R3NT	2.3±30%	0.027	0.021	60	6.00	6.60	3.50	3.80
HMSP6045S2R7NT	2.7±30%	0.020	0.015	38	5.75	6.30	4.30	4.70
HMSP6045S3R0NT	3.0±30%	0.026	0.020	35	5.60	6.20	3.80	4.20
HMSP6045S3R3NT	3.3±30%	0.027	0.021	32	5.90	6.20	3.70	4.00
HMSP6045S3R6NT	3.6±30%	0.027	0.021	28	5.25	5.70	3.70	4.00
HMSP6045S4R3MT	4.3±20%	0.030	0.023	23	4.45	4.90	3.50	3.80
HMSP6045S4R5MT	4.5±20%	0.034	0.026	24	4.97	5.50	3.30	3.60
HMSP6045S4R7MT	4.7±20%	0.034	0.026	24	4.97	5.50	3.30	3.60
HMSP6045S5R1MT	5.1±20%	0.034	0.026	23	4.40	4.80	3.30	3.60
HMSP6045S5R6MT	5.6±20%	0.038	0.029	23	4.15	4.60	3.15	3.40
HMSP6045S6R2MT	6.2±20%	0.040	0.031	26	4.43	4.80	3.00	3.30
HMSP6045S6R3MT	6.3±20%	0.040	0.031	26	4.43	4.70	3.00	3.30
HMSP6045S6R8MT	6.8±20%	0.040	0.031	20	3.90	4.30	3.00	3.30
HMSP6045S7R5MT	7.5±20%	0.044	0.034	18	3.50	3.80	2.90	3.20
HMSP6045S8R2MT	8.2±20%	0.056	0.043	21	3.90	4.30	2.60	2.80
HMSP6045S9R1MT	9.1±20%	0.056	0.043	17	3.35	3.70	2.60	2.80
HMSP6045S100MT	10±20%	0.062	0.048	15	3.20	3.50	2.45	2.70
HMSP6045S120MT	12±20%	0.075	0.058	13	2.80	3.00	2.20	2.40
HMSP6045S150MT	15±20%	0.088	0.068	12	2.50	2.70	2.05	2.20
HMSP6045S180MT	18±20%	0.105	0.081	10	2.20	2.40	1.85	2.00
HMSP6045S220MT	22±20%	0.116	0.089	10	2.05	2.20	1.80	2.00
HMSP6045S270MT	27±20%	0.133	0.102	9.2	1.90	2.10	1.65	1.80
HMSP6045S300MT	30±20%	0.172	0.132	7.8	1.70	1.80	1.50	1.60
HMSP6045S330MT	33±20%	0.178	0.137	7.8	1.65	1.80	1.45	1.60
HMSP6045S360MT	36±20%	0.225	0.173	7.8	1.62	1.80	1.40	1.50
HMSP6045S390MT	39±20%	0.234	0.180	7.8	1.50	1.60	1.25	1.40
HMSP6045S430MT	43±20%	0.260	0.200	7.7	1.63	1.80	1.20	1.30
HMSP6045S470MT	47±20%	0.260	0.200	6.4	1.40	1.50	1.20	1.30
HMSP6045S510MT	51±20%	0.269	0.207	6.4	1.35	1.50	1.15	1.20
HMSP6045S560MT	56±20%	0.287	0.221	6.4	1.30	1.40	1.10	1.20
HMSP6045S620MT	62±20%	0.306	0.235	6.4	1.25	1.40	1.10	1.20
HMSP6045S680MT	68±20%	0.376	0.289	6.4	1.20	1.30	1.00	1.10
HMSP6045S750MT	75±20%	0.397	0.305	5	1.15	1.20	0.95	1.00
HMSP6045S820MT	82±20%	0.443	0.341	4.9	1.05	1.10	0.90	0.99
HMSP6045S910MT	91±20%	0.467	0.359	4.9	1.00	1.10	0.85	0.94
HMSP6045S101MT	100±20%	0.563	0.433	4.2	0.95	1.00	0.80	0.88
HMSP6045S121MT	120±20%	0.629	0.484	4.2	0.85	0.94	0.77	0.85
HMSP6045S151MT	150±20%	0.754	0.580	4.2	0.80	0.88	0.70	0.77
HMSP6045S221MT	220±20%	1.084	0.834	3.5	0.70	0.77	0.59	0.65

Specifications subject to change without notice. Please check our website for latest information. Revised 2015/07/01

# SPECIFICATIONS

## HMSP6045S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	µH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP6045S331MT	330±20%	1.651	1.270	2.8	0.57	0.63	0.57	0.63
HMSP6045S471MT	470±20%	2.340	1.800	2.0	0.50	0.56	0.42	0.48
HMSP6045S681MT	680±20%	3.250	2.500	1.7	0.42	0.46	0.33	0.38
HMSP6045S102MT	1000±20%	8.450	6.500	0.8	0.24	0.27	0.21	0.24
HMSP6045S152MT	1500±20%	1.651	1.270	2.8	0.57	0.63	0.57	0.63

## HMSP8040S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-	Max.	Typ.	Min	Max.	Typ.	Max.	Typ.
Units	µH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP8040SR82NT	0.82±30%	0.010	0.008	94	13.8	16.0	6.30	6.90
HMSP8040S1R0NT	1.0±30%	0.010	0.008	89	9.85	14.0	6.30	6.90
HMSP8040S1R2NT	1.2±30%	0.013	0.010	59	10.0	14.0	5.65	6.20
HMSP8040S1R5NT	1.5±30%	0.013	0.010	67	8.15	11.0	5.65	6.20
HMSP8040S2R0NT	2.0±30%	0.016	0.012	43	9.25	10.0	5.15	5.60
HMSP8040S2R2NT	2.2±30%	0.016	0.012	41	7.10	8.00	5.15	5.60
HMSP8040S3R0NT	3.0±30%	0.018	0.014	32	6.10	7.00	4.70	5.20
HMSP8040S3R3NT	3.3±30%	0.022	0.017	27	6.50	7.00	4.40	4.80
HMSP8040S3R6NT	3.6±30%	0.022	0.017	30	7.52	8.50	4.35	4.80
HMSP8040S3R9NT	3.9±30%	0.022	0.017	26	5.75	6.50	4.35	4.80
HMSP8040S4R7NT	4.7±30%	0.025	0.019	24	5.90	6.50	4.10	4.50
HMSP8040S5R1NT	5.1±30%	0.025	0.019	22	4.70	5.40	4.05	4.40
HMSP8040S5R6NT	5.6±30%	0.027	0.021	24	6.00	6.90	3.85	4.20
HMSP8040S6R2NT	6.2±30%	0.027	0.021	20	4.45	5.10	3.85	4.20
HMSP8040S6R8MT	6.8±20%	0.031	0.024	20	4.55	5.20	3.60	4.00
HMSP8040S8R2MT	8.2±20%	0.034	0.026	17	4.20	4.80	3.45	3.80
HMSP8040S100MT	10±20%	0.038	0.029	15	3.60	4.10	3.30	3.60
HMSP8040S120MT	12±20%	0.053	0.041	13	3.50	4.00	2.80	3.00
HMSP8040S150MT	15±20%	0.061	0.047	12	2.95	3.40	2.60	2.80
HMSP8040S180MT	18±20%	0.069	0.053	11	2.70	3.10	2.40	2.60
HMSP8040S220MT	22±20%	0.090	0.069	9.5	2.40	2.70	2.10	2.30
HMSP8040S270MT	27±20%	0.101	0.078	9.2	2.15	2.50	2.00	2.20
HMSP8040S330MT	33±20%	0.126	0.097	7.8	2.05	2.40	1.80	2.00
HMSP8040S360MT	36±20%	0.133	0.102	7.8	2.00	2.30	1.75	1.90
HMSP8040S390MT	39±20%	0.139	0.107	7.8	1.95	2.20	1.70	1.90
HMSP8040S430MT	43±20%	0.147	0.113	7.8	1.90	2.20	1.65	1.80
HMSP8040S470MT	47±20%	0.177	0.136	6.4	1.75	2.00	1.55	1.70
HMSP8040S510MT	51±20%	0.185	0.142	6.4	1.70	1.90	1.50	1.60
HMSP8040S560MT	56±20%	0.192	0.148	6.4	1.55	1.70	1.45	1.60
HMSP8040S620MT	62±20%	0.237	0.182	6.4	1.50	1.60	1.30	1.40
HMSP8040S680MT	68±20%	0.255	0.196	4.9	1.45	1.60	1.25	1.40
HMSP8040S750MT	75±20%	0.274	0.211	4.9	1.35	1.50	1.20	1.30
HMSP8040S820MT	82±20%	0.293	0.225	5.9	1.30	1.40	1.15	1.20
HMSP8040S910MT	91±20%	0.354	0.272	4.9	1.20	1.30	1.05	1.10
HMSP8040S101MT	100±20%	0.377	0.290	4.2	1.15	1.30	1.00	1.10

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## SPECIFICATIONS

### HMSP8040S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-			Min				
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP8040S121MT	120±20%	0.434	0.334	3.5	1.05	1.10	0.95	1.00
HMSP8040S151MT	150±20%	0.533	0.410	3.5	1.10	1.20	0.85	0.94
HMSP8040S221MT	220±20%	0.779	0.599	3.5	0.85	0.94	0.80	0.88
HMSP8040S331MT	330±20%	1.156	0.889	2.8	0.68	0.75	0.64	0.70
HMSP8040S471MT	470±20%	/	1.260	2.1	/	0.60	/	0.54
HMSP8040S681MT	680±20%	/	2.040	1.7	/	0.50	/	0.45
HMSP8040S102MT	1000±20%	/	2.800	1.4	/	0.40	/	0.35
HMSP8040S152MT	1500±20%	/	4.300	1.0	/	0.40	/	0.50

### HMSP8050S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-			Min				
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP8050S102MT	1000±20%	2.52	2.10	1.5	0.32	0.35	0.33	0.35
HMSP8050S103MT	10000±20%	22.80	19.00	0.35	0.09	0.10	0.11	0.13

The test frequency of HMSP8050S103MT is 1KHz.

### HMSP8065S Series

Part Number	Inductance @100kHz,1V	DC Resistance (±30%)		Min. Self-resonant Frequency	Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
-	-			Min				
Units	μH	Ω		MHz	A		A	
Symbo	L	DCR		S.R.F	Isat		Irms	
HMSP8065S3R3MT	3.3±20%	0.018	0.015	27	9.50	10.00	5.10	5.90
HMSP8065S4R7MT	4.7±20%	0.022	0.018	18	8.50	9.50	4.70	5.40
HMSP8065S5R6MT	5.6±20%	0.026	0.022	17	8.00	9.00	4.50	5.20
HMSP8065S6R8MT	6.8±20%	0.026	0.022	16	7.50	8.00	4.50	5.20
HMSP8065S8R2MT	8.2±20%	0.031	0.026	15	7.00	7.70	4.20	4.80
HMSP8065S220MT	22±20%	0.065	0.054	8	4.30	4.80	2.85	3.30
HMSP8065S431MT	430±20%	1.20	1.00	1.5	0.95	1.05	0.61	0.69

※1: All test data is referenced to 20°C ambient;

※2: Rated current: Isat or Irms, whichever is smaller;

※\*3: Isat: DC current at which the inductance drops approximate 30% from its value without current;

※\*4: Irms: DC current that causes the temperature rise ( $\Delta T = 40^{\circ}\text{C}$ ) from 20°C ambient.

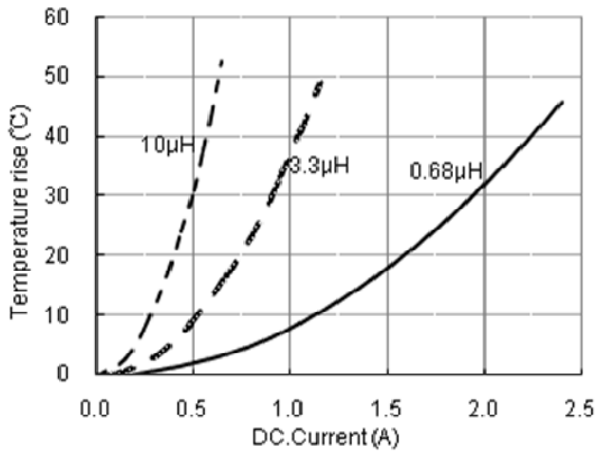
## TYPICAL ELECTRICAL CHARACTERISTICS

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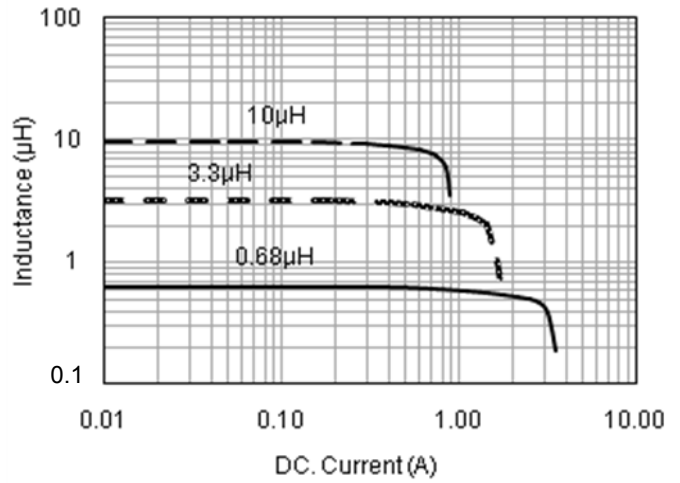


### HMSP252010S Series

Temperature vs. DC Current Characteristics

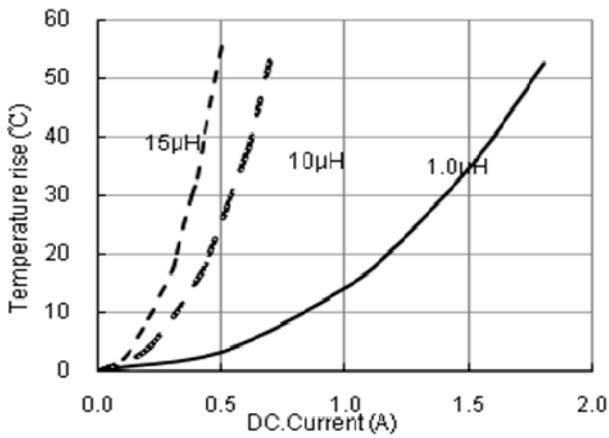


Inductance vs. DC Current Characteristics

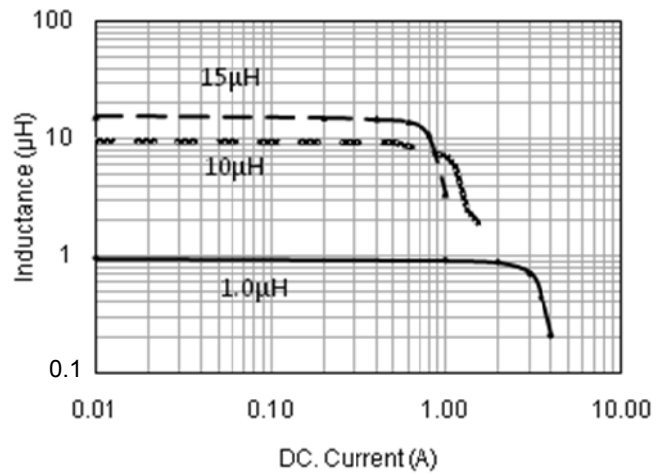


### HMSP252012S Series

Temperature vs. DC Current Characteristics

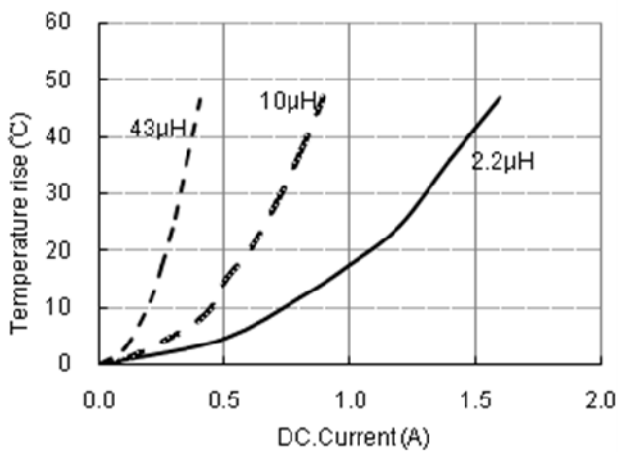


Inductance vs. DC Current Characteristics

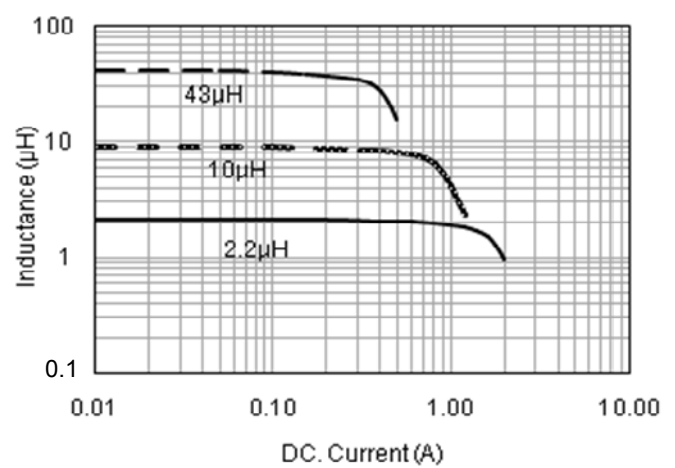


### HMSP3010S Series

Temperature vs. DC Current Characteristics



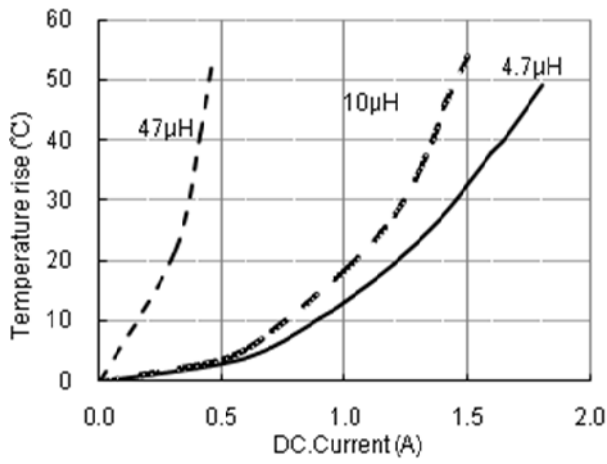
Inductance vs. DC Current Characteristics



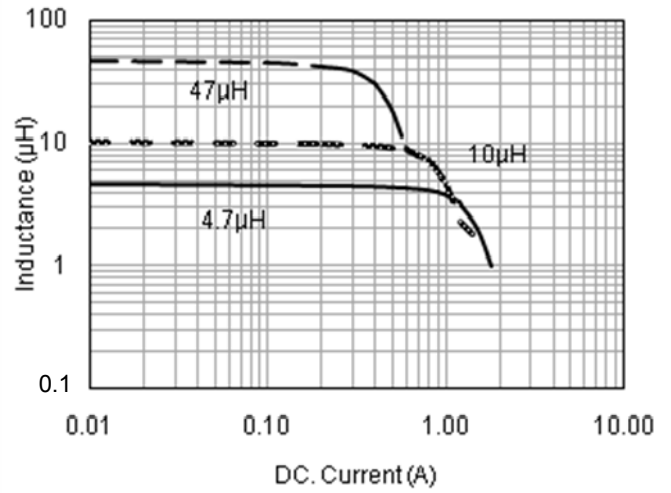
### HMSP3012S Series

Specifications subject to change without notice. Please check our website for latest information. Revised 2015/07/01

Temperature vs. DC Current Characteristics

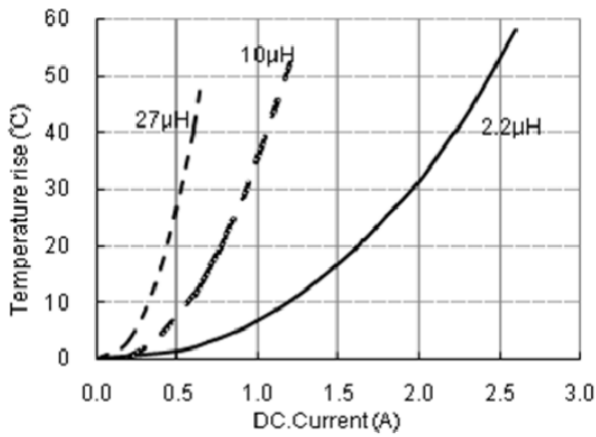


Inductance vs. DC Current Characteristics

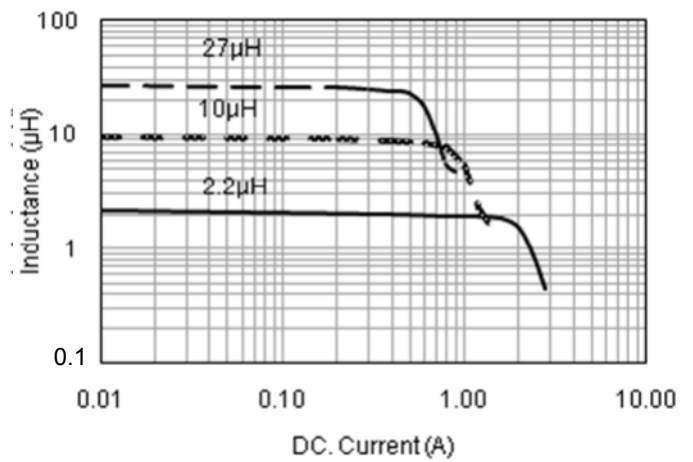


HMSP3015S Series

Temperature vs. DC Current Characteristics

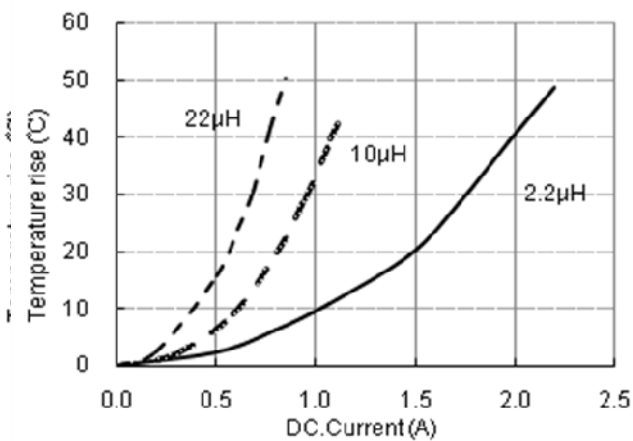


Inductance vs. DC Current Characteristics

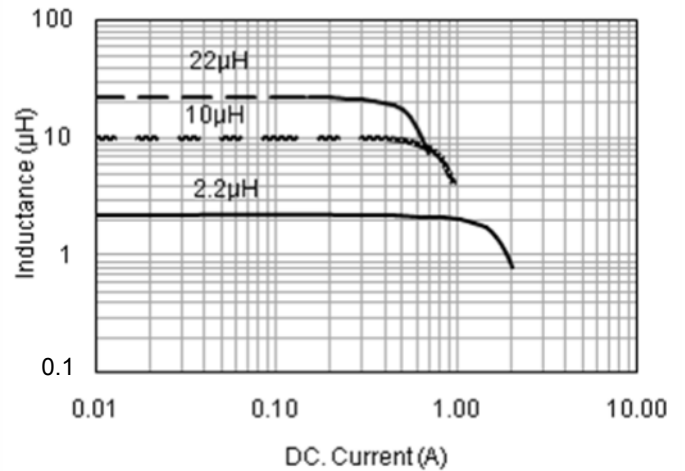


HMSP4010S Series

Temperature vs. DC Current Characteristics



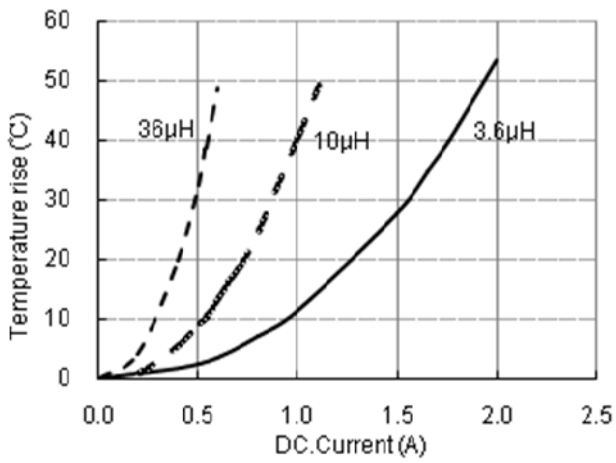
Inductance vs. DC Current Characteristic



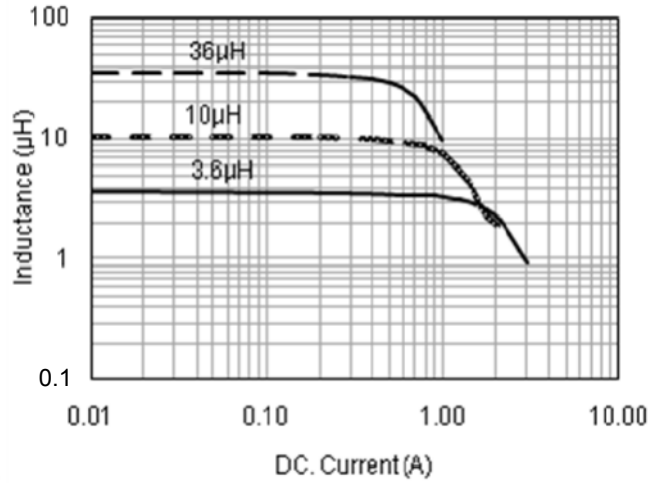
HMSP4012S Series

Specifications subject to change without notice. Please check our website for latest information. Revised 2015/07/01

Temperature vs. DC Current Characteristics

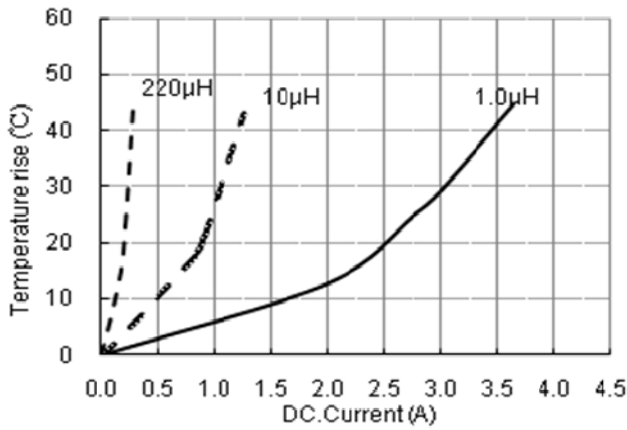


Inductance vs. DC Current Characteristic

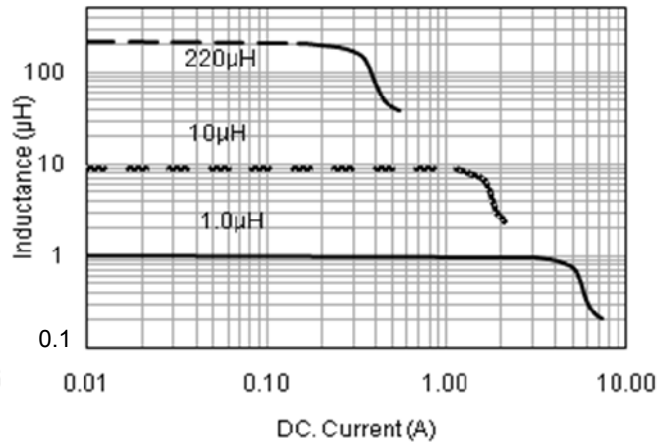


HMSP4018S Series

Temperature vs. DC Current Characteristics

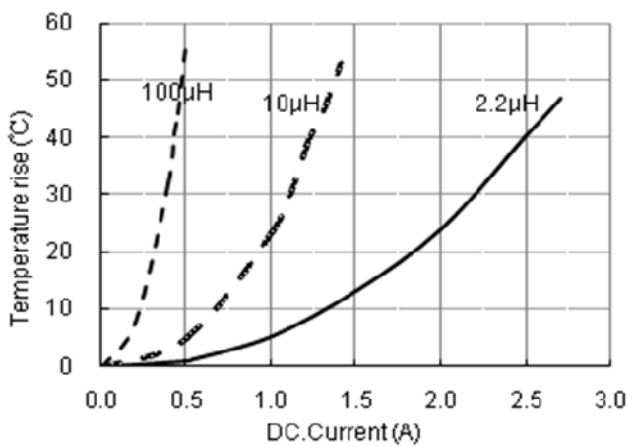


Inductance vs. DC Current Characteristics

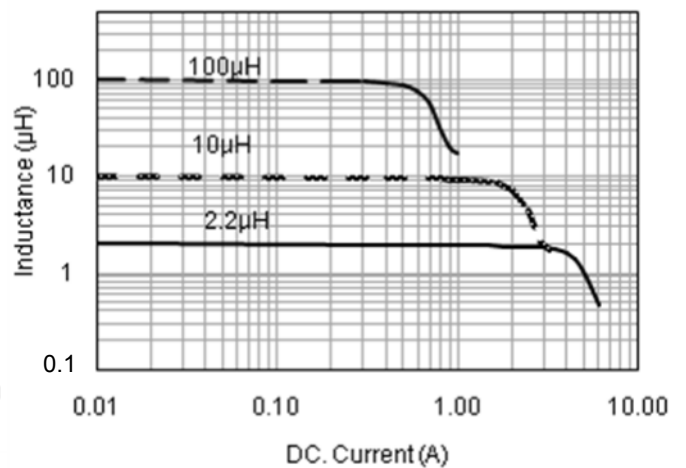


HMSP4020S Series

Temperature vs. DC Current Characteristics



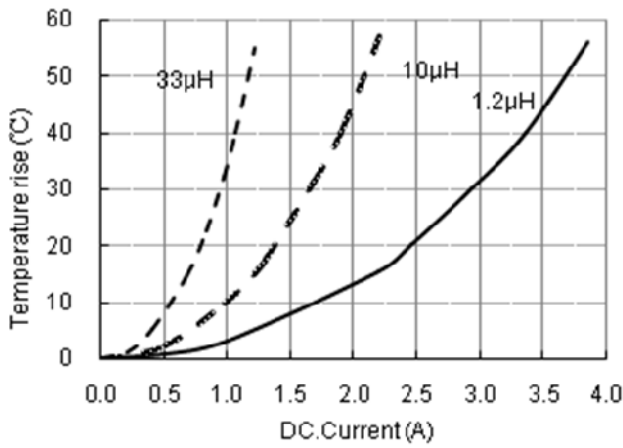
Inductance vs. DC Current Characteristics



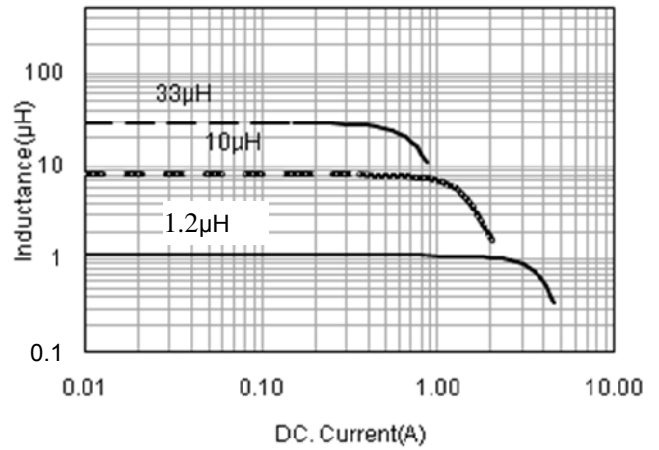
HMSP4026S Series

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Temperature vs. DC Current Characteristics

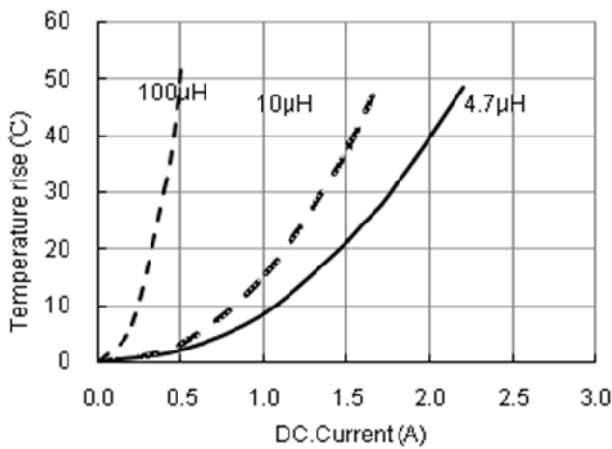


Inductance vs. DC Current Characteristics

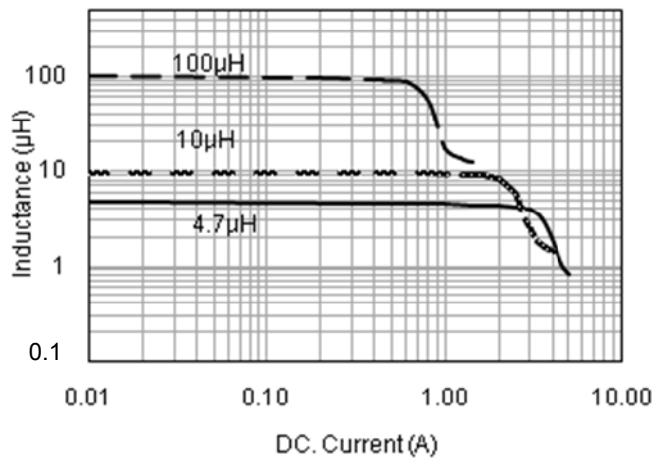


HMSP4030S Series

Temperature vs. DC Current Characteristics

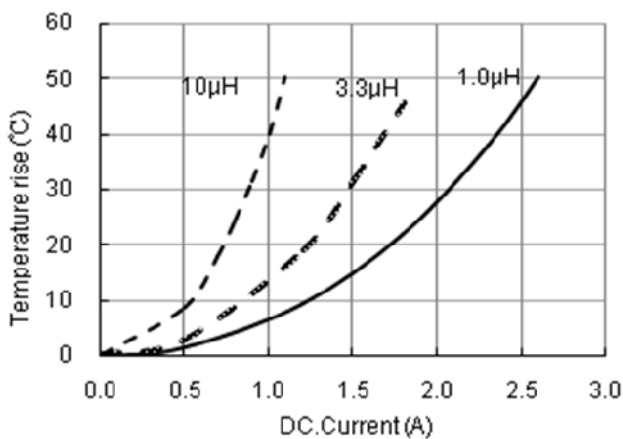


Inductance vs. DC Current Characteristics

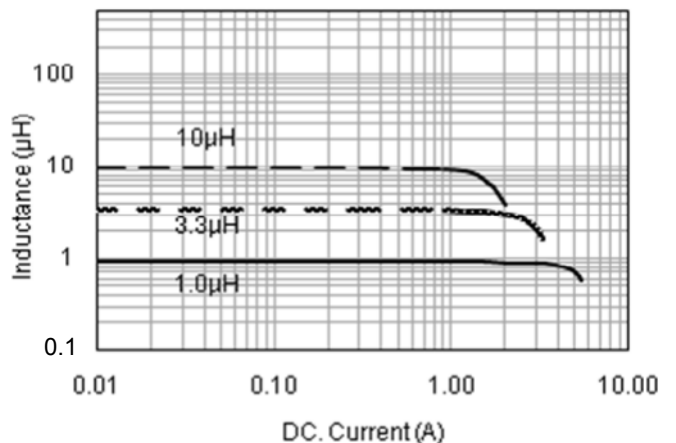


HMSP5012S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



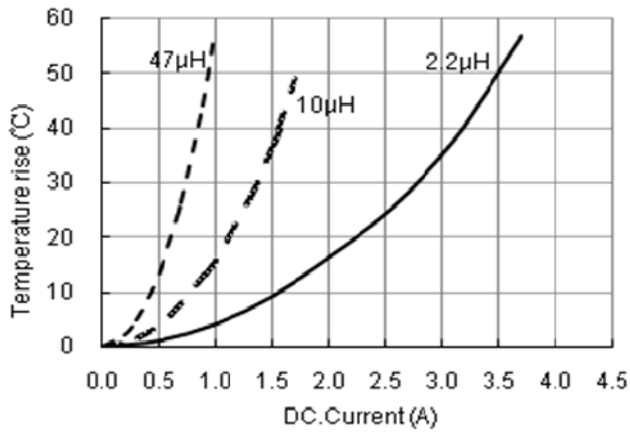
**TYPICAL ELECTRICAL CHARACTERISTICS**

HMSP5020S Series

Temperature vs. DC Current Characteristics

Inductance vs. DC Current Characteristics

Specifications subject to change without notice. Please check our website for latest information. Revised 2015/07/01

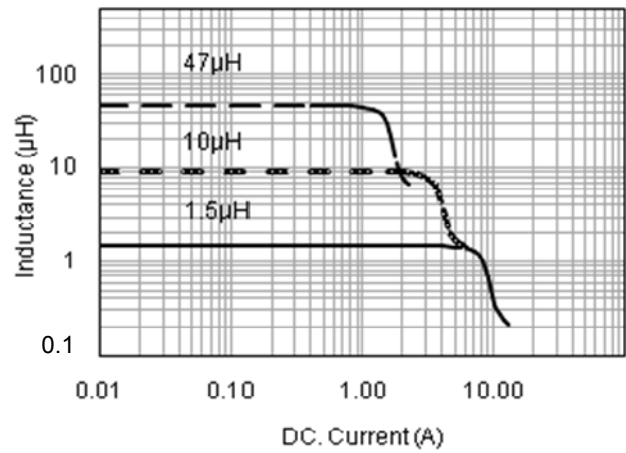
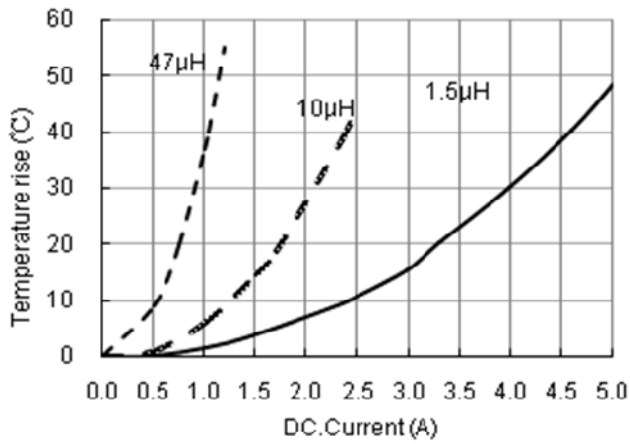


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### HMSP5040S Series

Temperature vs. DC Current Characteristics

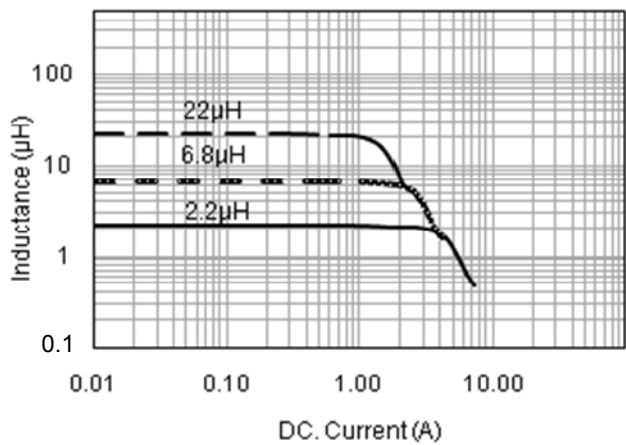
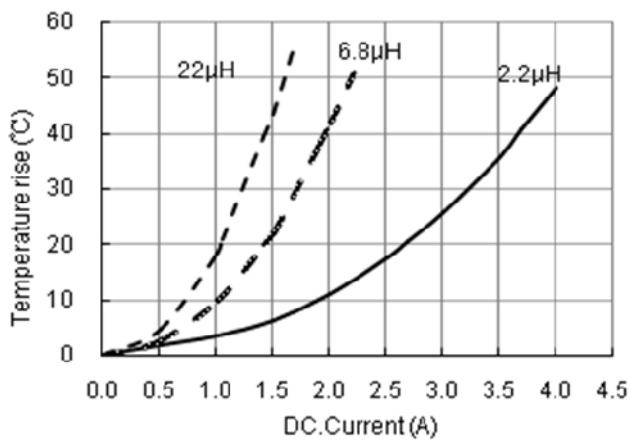
Inductance vs. DC Current Characteristics



### HMSP6020S Series

Temperature vs. DC Current Characteristics

Inductance vs. DC Current Characteristics

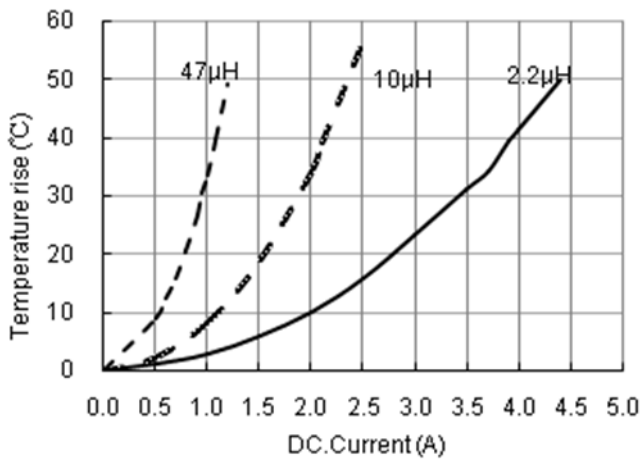


## TYPICAL ELECTRICAL CHARACTERISTICS

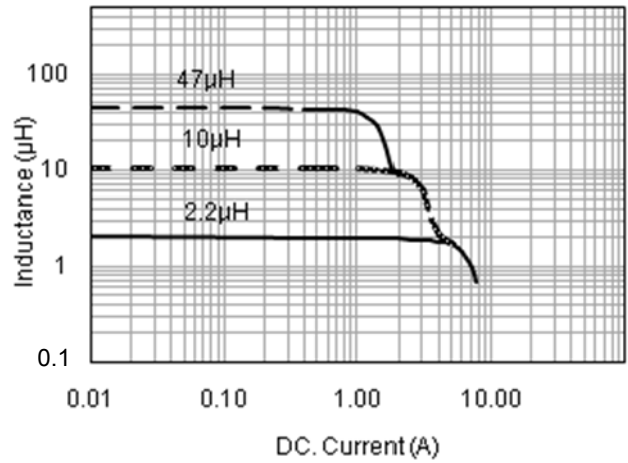
### HMSP6028S Series

Specifications subject to change without notice. Please check our website for latest information. Revised 2015/07/01

Temperature vs. DC Current Characteristics

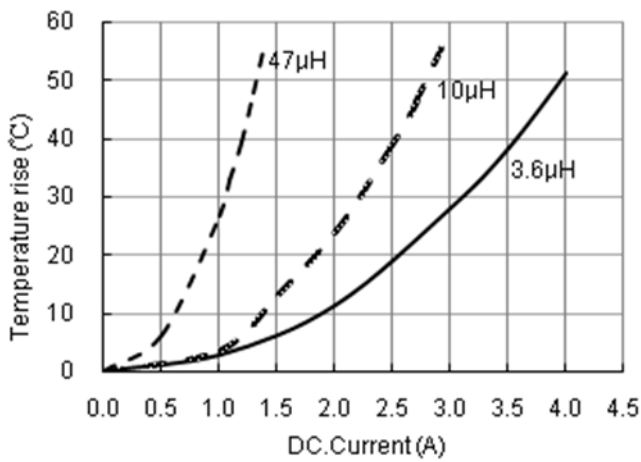


Inductance vs. DC Current Characteristics

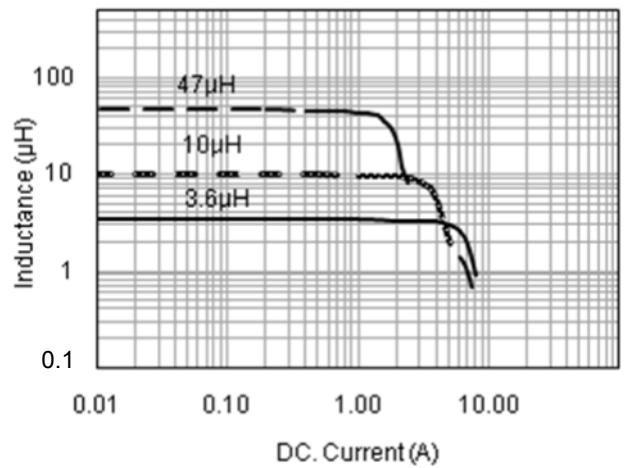


HMSP6045S Series

Temperature vs. DC Current Characteristics

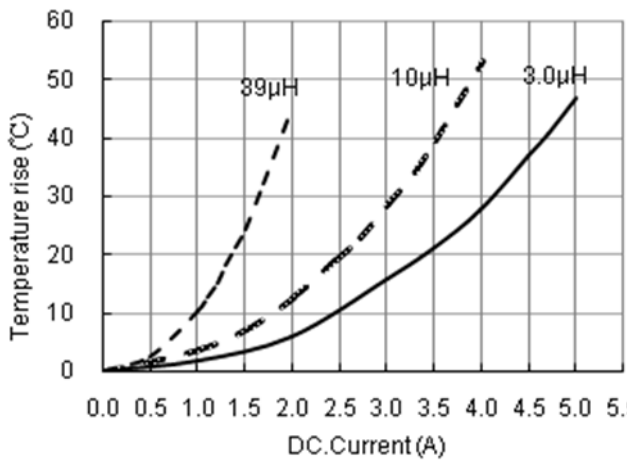


Inductance vs. DC Current Characteristics



HMSP8040S Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics

