



Through Hole Inductors



Drum Series



Features

- ◆ Open Magnetic circuit construction
- ◆ Low cost and high reliability
- ◆ Inductance range 1.0uH~100mH

Applications

- ◆ TV and audio equipment
- ◆ Communications equipment
- ◆ Power circuit
- ◆ LED lighting equipment
- ◆ The noise filter

Description of Part Name

HDDR 0608 - 470 M B UL F XX
 A B C D E F G H

A

HDDR
Product Code

B

Dimension (mm)	
0304	3.5x4.5
0405	4.5x5.0
0507	5.5x7.0
0608	6.5x8.0
0707	7.5x7.0
0810	8.5x10.0
0912	9.5x12.0

C

Inductance Value	
Example	Nominal Value
1R0	1.0μH
470	47μH
101	100μH
102	1,000μH

G

Lead / Halogen Free
F

D

Inductance Tolerance	
J	±5%
K	±10%
L	±15%
M	±20%

E

Packing Style	
A	Ammo
T	Tape and Reel
B	Bulk

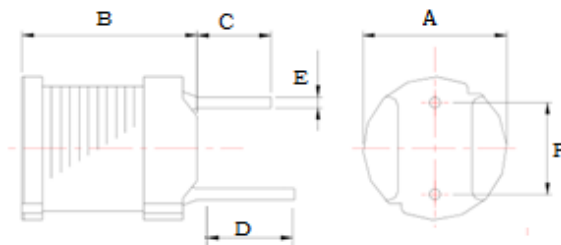
H

Internal Code
XX

F

Tube	
B	No Tube
UL	UL Tube
P	PVC Tube

SHAPE AND DIMENSIONS



PART No.	A (Max.)	B (Max.)	C (Min.)	D (Min.)	E	P
HDDR0304	4	6	10	15	0.50±0.05	2.0±0.05
HDDR0405	5	7	10	15	0.60±0.05	2.0±0.5
HDDR0507	6	9	10	15	0.60±0.05	2.5±0.5
HDDR0608	7	10	10	15	0.60±0.05	2.5±0.5
HDDR0707	8.5	9	10	15	0.60±0.05	2.5±0.5
HDDR0810	9	12	10	15	0.65±0.05	5.0±0.5
HDDR0912	10	14	10	15	0.80±0.05	5.0±0.5

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ELECTRICAL CHARACTERISTICS

HDDR0304 Series

Code	L	Q Factor	Test Cond.	SRF	DC Res.	IDC
单位 (unit)	(uH)	Min.	(MHz)	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0304-1R0M	1	80	7.96	175	0.1	1000
HDDR0304-1R2M	1.2	80	7.96	150	0.1	1000
HDDR0304-1R5M	1.5	87	7.96	120	0.1	900
HDDR0304-1R8M	1.8	71	7.96	102	0.1	800
HDDR0304-2R2M	2.2	71	7.96	83	0.1	700
HDDR0304-2R7M	2.7	71	7.96	71	0.2	700
HDDR0304-3R3M	3.3	71	7.96	59	0.2	650
HDDR0304-3R9M	3.9	71	7.96	44	0.2	650
HDDR0304-4R7M	4.7	71	7.96	43	0.2	500
HDDR0304-5R6M	5.6	70	7.96	39	0.3	450
HDDR0304-6R8M	6.8	70	7.96	30	0.3	400
HDDR0304-8R2M	8.2	67	7.96	22	0.3	350
HDDR0304-100M	10	60	2.52	21	0.4	350
HDDR0304-120M	12	67	2.52	20	0.5	300
HDDR0304-150M	15	65	2.52	18	0.6	300
HDDR0304-180M	18	60	2.52	16	0.6	300
HDDR0304-220K	22	60	2.52	15	0.7	290
HDDR0304-270K	27	58	2.52	12	0.8	270
HDDR0304-330K	33	52	2.52	11	0.9	270
HDDR0304-390K	39	52	2.52	10	2	260
HDDR0304-470K	47	46	2.52	9	2	250
HDDR0304-560K	56	65	2.52	8	3	180
HDDR0304-680K	68	62	2.52	8	3	170
HDDR0304-820K	82	60	2.52	8	3	170
HDDR0304-101K	100	75	0.796	6	4	160
HDDR0304-121K	120	75	0.796	6	4	150
HDDR0304-151K	150	75	0.796	8	4	150
HDDR0304-181K	180	75	0.796	5	5	130
HDDR0304-221K	220	77	0.796	4	8	100
HDDR0304-271K	270	80	0.796	4	9	90
HDDR0304-331K	330	81	0.796	4	10	90
HDDR0304-391K	390	80	0.796	3.5	10	80
HDDR0304-471K	470	80	0.796	3.5	11	80
HDDR0304-561K	560	80	0.796	3	15	70
HDDR0304-681K	680	65	0.796	3	23	50
HDDR0304-821K	820	65	0.796	2	26	50
HDDR0304-102K	1000	36	0.252	1.5	29	50
HDDR0304-122K	1200	36	0.252	1.5	33	40
HDDR0304-152K	1500	37	0.252	1.5	37	40
HDDR0304-182K	1800	44	0.252	1.5	41	40
HDDR0304-222K	2200	44	0.252	1.5	46	30
HDDR0304-272K	2700	47	0.252	1.5	51	30

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Through Hole Inductors



Drum Series

HDDR0405 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0405-1R0M	1	84	7.96	200	0.1	1400
HDDR0405-1R2M	1.2	70	7.96	170	0.12	1200
HDDR0405-1R5M	1.5	80	7.96	140	0.15	1200
HDDR0405-1R8M	1.8	90	7.96	130	0.17	1100
HDDR0405-2R2M	2.2	98	7.96	125	0.2	1100
HDDR0405-2R7M	2.7	94	7.96	113	0.2	1000
HDDR0405-3R3M	3.3	93	7.96	92	0.22	1000
HDDR0405-3R9M	3.9	86	7.96	77	0.24	1000
HDDR0405-4R7M	4.7	84	7.96	58	0.26	800
HDDR0405-5R6M	5.6	84	7.96	42	0.28	800
HDDR0405-6R8M	6.8	82	7.96	35	0.3	800
HDDR0405-8R2M	8.2	77	7.96	32	0.35	800
HDDR0405-100M	10	70	2.52	27	0.46	700
HDDR0405-120M	12	80	2.52	20	0.48	600
HDDR0405-150M	15	77	2.52	18	0.55	600
HDDR0405-180M	18	87	2.52	16	0.65	500
HDDR0405-220K	22	84	2.52	14	0.72	500
HDDR0405-270K	27	77	2.52	13	0.78	400
HDDR0405-330K	33	74	2.52	12	0.87	400
HDDR0405-390K	39	70	2.52	11	0.9	400
HDDR0405-470K	47	65	2.52	10	0.98	400
HDDR0405-560K	56	58	2.52	9.5	1.5	300
HDDR0405-680K	68	55	2.52	9	1.9	300
HDDR0405-820K	82	53	2.52	8.6	2.5	300
HDDR0405-101K	100	56	0.796	7	3	200
HDDR0405-121K	120	70	0.796	6.3	3.8	200
HDDR0405-151K	150	63	0.796	5.7	4.5	200
HDDR0405-181K	180	62	0.796	5.3	5	200
HDDR0405-221K	220	66	0.796	5	5.8	200
HDDR0405-271K	270	66	0.796	4.5	6.5	150
HDDR0405-331K	330	60	0.796	4	7	150
HDDR0405-391K	390	56	0.796	3.8	7.7	150
HDDR0405-471K	470	61	0.796	3.5	8	120
HDDR0405-561K	560	59	0.796	3.2	8.5	120
HDDR0405-681K	680	56	0.796	3	9.5	120
HDDR0405-821K	820	61	0.796	2.8	15	100
HDDR0405-102K	1000	77	0.252	2.5	17	100
HDDR0405-122K	1200	71	0.252	2.3	20	80
HDDR0405-152K	1500	76	0.252	2.1	22	80
HDDR0405-182K	1800	77	0.252	1.8	25	70
HDDR0405-222K	2200	81	0.252	1.6	26	60
HDDR0405-272K	2700	57	0.252	1.36	46	40
HDDR0405-332K	3300	60	0.252	1.27	50	30
HDDR0405-392K	3900	56	0.252	1.2	54	30

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Drum Series

HDDR0405 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0405-472K	4700	65	0.252	1.06	60	30
HDDR0405-562K	5600	66	0.252	1.02	65	30
HDDR0405-682K	6800	66	0.252	0.96	72	30
HDDR0405-822K	8200	70	0.252	0.93	80	20
HDDR0405-103K	10000	35	0.0796	0.89	95	10

HDDR0507 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0507-1R0M	1	85	7.96	140	0.014	4000
HDDR0507-1R5M	1.5	85	7.96	90	0.02	3000
HDDR0507-2R2M	2.2	85	7.96	55	0.02	2500
HDDR0507-3R3M	3.3	85	7.96	50	0.03	2000
HDDR0507-4R7M	4.7	80	7.96	30	0.04	1900
HDDR0507-6R8M	6.8	75	7.96	25	0.06	1500
HDDR0507-8R2M	10	70	2.52	22	0.08	1400
HDDR0507-100K	12	70	2.52	20	0.1	1200
HDDR0507-150K	15	65	2.52	16	0.11	1000
HDDR0507-180K	18	50	2.52	14	0.11	950
HDDR0507-220K	22	50	2.52	14	0.12	900
HDDR0507-270K	27	50	2.52	12	0.14	800
HDDR0507-330K	33	50	2.52	10	0.16	700
HDDR0507-390K	39	45	2.52	9	0.18	650
HDDR0507-470K	47	45	2.52	9	0.2	600
HDDR0507-560K	56	35	2.52	8	0.22	550
HDDR0507-680K	68	35	2.52	8	0.3	520
HDDR0507-820K	82	35	2.52	7	0.34	490
HDDR0507-101K	100	20	0.796	6	0.36	420
HDDR0507-121K	120	20	0.796	5.5	0.44	360
HDDR0507-151K	150	20	0.796	5	0.52	320
HDDR0507-181K	180	20	0.796	4.5	0.65	320
HDDR0507-221K	220	20	0.796	4	0.75	300
HDDR0507-271K	270	25	0.796	3.5	1	250
HDDR0507-331K	330	25	0.796	3	1.3	240
HDDR0507-391K	390	25	0.796	3	1.4	200
HDDR0507-471K	470	25	0.796	2.7	1.6	200
HDDR0507-561K	560	25	0.796	2.5	2	190
HDDR0507-681K	680	25	0.796	2.4	2.3	170
HDDR0507-821K	820	25	0.796	2.2	2.7	150
HDDR0507-102K	1000	50	0.252	2	3.1	130
HDDR0507-122K	1200	65	0.252	1.5	4.6	120
HDDR0507-152K	1500	65	0.252	1.3	5.3	110
HDDR0507-182K	1800	65	0.252	1.2	6.2	100

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HDDR0507 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0507-222K	2200	65	0.252	1.1	6.8	90
HDDR0507-272K	2700	80	0.252	1	10	90
HDDR0507-332K	3300	75	0.252	0.95	12	80
HDDR0507-392K	3900	70	0.252	0.9	13	70
HDDR0507-472K	4700	65	0.252	0.9	15	60
HDDR0507-562K	5600	65	0.252	0.8	22	60
HDDR0507-682K	6800	65	0.252	0.75	25	55
HDDR0507-822K	8200	65	0.252	0.7	28	55
HDDR0507-103K	10000	65	0.0796	0.6	35	45
HDDR0507-123K	12000	65	0.0796	0.45	45	45
HDDR0507-153K	15000	65	0.0796	0.4	52	35
HDDR0507-183K	18000	65	0.0796	0.4	58	35
HDDR0507-223K	22000	65	0.0796	0.35	80	25
HDDR0507-273K	27000	65	0.0796	0.3	90	25
HDDR0507-333K	33000	55	0.0796	0.25	135	15
HDDR0507-393K	39000	55	0.0796	0.25	150	15
HDDR0507-473K	47000	55	0.0796	0.25	170	15

HDDR0608 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0608-100K	10	25	2.52	16	0.09	1300
HDDR0608-120K	12	25	2.52	15	0.1	1100
HDDR0608-150K	15	25	2.52	13	0.11	1050
HDDR0608-180K	18	20	2.52	12	0.12	1000
HDDR0608-220K	22	25	2.52	11	0.12	960
HDDR0608-270K	27	25	2.52	10	0.17	920
HDDR0608-330K	33	25	2.52	8.8	0.19	880
HDDR0608-390K	39	20	2.52	8.4	0.22	860
HDDR0608-470K	47	20	2.52	8.2	0.23	830
HDDR0608-560K	56	20	2.52	7.9	0.29	810
HDDR0608-680K	68	20	2.52	7	0.37	750
HDDR0608-820K	82	20	2.52	6.5	0.39	740
HDDR0608-101K	100	30	0.796	5.7	0.44	710
HDDR0608-121K	120	30	0.796	5.2	0.64	680
HDDR0608-151K	150	35	0.796	4.7	0.73	600
HDDR0608-181K	180	35	0.796	4.2	0.82	540
HDDR0608-221K	220	35	0.796	3.7	0.92	450
HDDR0608-271K	270	30	0.796	3.5	1.2	420
HDDR0608-331K	330	40	0.796	3.2	1.6	400
HDDR0608-391K	390	25	0.796	2.9	1.9	370
HDDR0608-471K	470	35	0.796	2.4	2.3	340
HDDR0608-561K	560	35	0.796	2.2	2.6	280
HDDR0608-681K	680	45	0.796	2	2.8	250

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Through Hole Inductors



Drum Series

HDDR0608 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0608-821K	820	40	0.796	1.6	3	230
HDDR0608-102K	1000	80	0.796	1.5	3.3	200
HDDR0608-122K	1200	80	0.252	0.8	3.5	180
HDDR0608-152K	1500	75	0.252	0.7	4.5	160
HDDR0608-182K	1800	80	0.252	0.6	5	140
HDDR0608-222K	2200	80	0.252	0.5	6.2	120
HDDR0608-272K	2700	80	0.252	0.4	7.2	100
HDDR0608-332K	3300	80	0.252	0.3	10.5	80
HDDR0608-392K	3900	80	0.252	0.2	11.7	70
HDDR0608-472K	4700	80	0.252	0.18	13.6	60
HDDR0608-562K	5600	80	0.252	0.16	16.6	50
HDDR0608-682K	6800	80	0.252	0.16	19.6	50
HDDR0608-822K	8200	80	0.252	0.16	25.2	40
HDDR0608-103K	10000	80	0.0796	0.14	29.5	40
HDDR0608-123K	12000	80	0.0796	0.14	33.8	40
HDDR0608-153K	15000	70	0.0796	0.14	45.4	30
HDDR0608-183K	18000	75	0.0796	0.14	50.4	30
HDDR0608-223K	22000	80	0.0796	0.12	60	30
HDDR0608-273K	27000	80	0.0796	0.12	91.5	20
HDDR0608-333K	33000	70	0.0796	0.12	98.5	20
HDDR0608-393K	39000	70	0.0796	0.12	140	15
HDDR0608-473K	47000	70	0.0796	0.12	160	15
HDDR0608-503K	50000	70	0.0796	0.1	170	15
HDDR0608-563K	56000	70	0.0796	0.1	181	15
HDDR0608-683K	68000	50	0.0796	0.1	282	15
HDDR0608-723K	72000	50	0.0796	0.1	312	10
HDDR0608-104K	100000	30	0.0252	0.1	380	10
HDDR0608-124K	120000	30	0.0252	0.1	430	10
HDDR0608-154K	150000	30	0.0252	0.1	520	10

HDDR0707 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0707-1R0M	1	90	7.96	100	0.014	5980
HDDR0707-1R5M	1.5	90	7.96	80	0.017	4850
HDDR0707-2R2M	2.2	90	7.96	40	0.017	3560
HDDR0707-3R3K	3.3	90	7.96	40	0.021	2970
HDDR0707-4R7K	4.7	90	7.96	36	0.03	2340
HDDR0707-6R8K	6.8	90	7.96	30	0.054	1980
HDDR0707-100K	10	65	2.52	15	0.084	1980
HDDR0707-120K	12	65	2.52	15	0.09	1880
HDDR0707-150K	15	65	2.52	15	0.11	1650
HDDR0707-180K	18	50	2.52	15	0.12	1550
HDDR0707-220K	22	50	2.52	11	0.13	1413

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Through Hole Inductors



Drum Series

HDDR0707 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0707-270K	27	50	2.52	11	0.14	1278
HDDR0707-330K	33	50	2.52	11	0.15	1161
HDDR0707-390K	39	50	2.52	11	0.16	1062
HDDR0707-470K	47	50	2.52	7	0.22	972
HDDR0707-560K	56	50	2.52	7	0.25	891
HDDR0707-680K	68	40	2.52	7	0.31	10
HDDR0707-820K	82	40	2.52	7	0.34	729
HDDR0707-101K	100	40	0.796	4	0.43	675
HDDR0707-121K	120	40	0.796	4	0.56	630
HDDR0707-151K	150	60	0.796	4	0.94	531
HDDR0707-181K	180	60	0.796	4	1.02	504
HDDR0707-221K	220	60	0.796	4	1.14	477
HDDR0707-271K	270	60	0.796	3	0.29	432
HDDR0707-331K	330	70	0.796	3	2.04	387
HDDR0707-391K	390	70	0.796	2	2.24	360
HDDR0707-471K	470	70	0.796	2	2.51	333
HDDR0707-561K	560	55	0.796	2	2.83	306
HDDR0707-681K	680	55	0.796	2	3.08	279
HDDR0707-821K	820	55	0.796	2	3.41	261
HDDR0707-102K	1000	75	0.252	1.5	3.9	189
HDDR0707-122K	1200	75	0.252	1.5	4.42	180
HDDR0707-152K	1500	75	0.252	1.5	5.11	162
HDDR0707-182K	1800	75	0.252	1	5.81	144
HDDR0707-222K	2200	75	0.252	1	8.38	135
HDDR0707-272K	2700	75	0.252	1	9.59	126
HDDR0707-332K	3300	75	0.252	1	11.04	117
HDDR0707-392K	3900	75	0.252	0.8	12.5	108
HDDR0707-472K	4700	75	0.252	0.8	14.3	99
HDDR0707-562K	5600	70	0.252	0.8	16	90
HDDR0707-682K	6800	70	0.252	0.5	20.9	81
HDDR0707-822K	8200	70	0.252	0.5	29.2	72
HDDR0707-103K	10000	70	0.0796	0.5	33.4	63
HDDR0707-123K	12000	70	0.0796	0.5	43.1	54
HDDR0707-153K	15000	70	0.0796	0.5	50.5	54
HDDR0707-183K	18000	70	0.0796	0.3	69.1	45
HDDR0707-223K	22000	70	0.0796	0.3	80.6	36
HDDR0707-273K	27000	70	0.0796	0.3	94.2	27
HDDR0707-333K	33000	70	0.0796	0.3	139	18
HDDR0707-393K	39000	70	0.0796	0.3	155.6	18
HDDR0707-473K	47000	70	0.0796	0.3	176.6	18

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Through Hole Inductors



Drum Series

HDDR0810 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0810-1R0M	1	90	7.96	100	0.02	3400
HDDR0810-1R5M	1.5	95	7.96	80	0.02	3400
HDDR0810-2R2M	2.2	100	7.96	70	0.03	3000
HDDR0810-3R3K	3.3	110	7.96	56	0.04	3000
HDDR0810-4R7K	4.7	110	7.96	30	0.05	2900
HDDR0810-6R8K	6.8	90	7.96	20	0.06	2000
HDDR0810-100K	10	90	2.52	12	0.1	1600
HDDR0810-120K	12	90	2.52	11	0.1	1600
HDDR0810-150K	15	90	2.52	10	0.1	1400
HDDR0810-180K	18	80	2.52	9	0.11	1300
HDDR0810-220K	22	70	2.52	8	0.13	1200
HDDR0810-270K	27	70	2.52	7	0.14	1100
HDDR0810-330K	33	70	2.52	7	0.16	900
HDDR0810-390K	39	70	2.52	6	0.16	800
HDDR0810-470K	47	70	2.52	5.5	0.16	700
HDDR0810-560K	56	60	2.52	5.5	0.22	700
HDDR0810-680K	68	60	2.52	5	0.23	600
HDDR0810-820K	82	60	2.52	4.5	0.27	500
HDDR0810-101K	100	40	0.796	4.5	0.29	400
HDDR0810-121K	120	40	0.796	4.5	0.33	400
HDDR0810-151K	150	40	0.796	4.5	0.46	350
HDDR0810-181K	180	40	0.796	4	0.51	300
HDDR0810-221K	220	40	0.796	3.5	0.62	250
HDDR0810-271K	270	30	0.796	3	0.65	250
HDDR0810-331K	330	30	0.796	3	0.79	250
HDDR0810-391K	390	30	0.796	2.5	0.91	200
HDDR0810-471K	470	30	0.796	2.5	1.2	180
HDDR0810-561K	560	30	0.796	2	1.2	160
HDDR0810-681K	680	30	0.796	2	1.5	140
HDDR0810-821K	820	25	0.796	2	1.7	140
HDDR0810-102K	1000	50	0.252	2	2	120
HDDR0810-122K	1200	45	0.252	1.5	2.3	100
HDDR0810-152K	1500	45	0.252	1.5	2.9	80
HDDR0810-182K	1800	45	0.252	1.5	3.5	80
HDDR0810-222K	2200	50	0.252	1	4.2	70
HDDR0810-272K	2700	50	0.252	1	5.1	60
HDDR0810-332K	3300	50	0.252	0.9	6.1	60
HDDR0810-392K	3900	50	0.252	0.8	7.8	50
HDDR0810-472K	4700	55	0.252	0.7	11	50
HDDR0810-562K	5600	55	0.252	0.6	11	45
HDDR0810-682K	6800	55	0.252	0.6	14	45
HDDR0810-822K	8200	60	0.252	0.6	15	40
HDDR0810-103K	10000	100	0.0796	0.5	20	35
HDDR0810-123K	12000	100	0.0796	0.4	24	35

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HDDR0810 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0810-153K	15000	100	0.0796	0.4	28	35
HDDR0810-183K	18000	100	0.0796	0.4	42	30
HDDR0810-223K	22000	100	0.0796	0.3	43	30
HDDR0810-273K	27000	100	0.0796	0.3	55	25
HDDR0810-333K	33000	90	0.0796	0.2	65	25
HDDR0810-393K	39000	90	0.0796	0.2	87	25
HDDR0810-473K	47000	85	0.0796	0.2	98	25
HDDR0810-563K	56000	80	0.0796	0.2	128	20
HDDR0810-683K	68000	70	0.0796	0.2	141	20
HDDR0810-823K	82000	70	0.0796	0.2	161	20
HDDR0810-104K	100000	55	0.0796	0.2	180	20

HDDR0912 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
单位 (unit)	(uH)	Min.	MHz	(MHz) Min.	(Ω) Max.	(mA) Max.
HDDR0912-100M	10	110	2.52	24	0.04	2800
HDDR0912-120M	12	110	2.52	18	0.04	2700
HDDR0912-150M	15	110	2.52	11	0.05	2300
HDDR0912-180M	18	90	2.52	8.4	0.06	2100
HDDR0912-220K	22	90	2.52	9.2	0.07	2000
HDDR0912-270K	27	90	2.52	7.1	0.1	1700
HDDR0912-330K	33	90	2.52	7.1	0.12	1500
HDDR0912-390K	39	80	2.52	6.9	0.12	1400
HDDR0912-470K	47	70	2.52	6	0.13	1300
HDDR0912-560K	56	70	2.52	5.7	0.14	1200
HDDR0912-680K	68	60	2.52	5.4	0.15	1000
HDDR0912-820K	82	50	2.52	4.6	0.16	900
HDDR0912-101K	100	60	0.796	4	0.25	700
HDDR0912-121K	120	60	0.796	3.6	0.28	700
HDDR0912-151K	150	55	0.796	3.1	0.32	700
HDDR0912-181K	180	55	0.796	2.8	0.47	600
HDDR0912-221K	220	55	0.796	2.5	0.53	500
HDDR0912-271K	270	50	0.796	2.4	0.6	450
HDDR0912-331K	330	50	0.796	2	0.85	400
HDDR0912-391K	390	50	0.796	2.1	0.95	350
HDDR0912-471K	470	40	0.796	1.9	1.1	350
HDDR0912-561K	560	30	0.796	1.8	1.2	300
HDDR0912-681K	680	30	0.796	1.7	1.3	250
HDDR0912-821K	820	30	0.796	1.5	1.4	200
HDDR0912-102K	1000	70	0.252	1.1	2	200
HDDR0912-122K	1200	70	0.252	1	2.3	180
HDDR0912-152K	1500	70	0.252	1	2.9	150
HDDR0912-182K	1800	70	0.252	0.9	3.3	120

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HDDR0912 Series

代码 Code	电感 L	品质因数 Q Factor	测试条件 Test Cond.	自谐频率 SRF	直流阻抗 DC Res.	额定电流 IDC
HDDR0912-222K	2200	70	0.252	0.7	4.5	110
HDDR0912-272K	2700	70	0.252	0.7	5.5	90
HDDR0912-332K	3300	60	0.252	0.6	5.7	80
HDDR0912-392K	3900	60	0.252	0.6	6.5	80
HDDR0912-472K	4700	60	0.252	0.6	7.2	60
HDDR0912-562K	5600	60	0.252	0.5	9.5	50
HDDR0912-682K	6800	60	0.252	0.5	11	50
HDDR0912-822K	8200	50	0.252	0.4	13	50
HDDR0912-103K	10000	120	0.0796	0.3	16	40
HDDR0912-123K	12000	120	0.0796	0.3	18	40
HDDR0912-153K	15000	110	0.0796	0.3	21	40
HDDR0912-183K	18000	110	0.0796	0.3	23	40
HDDR0912-223K	22000	110	0.0796	0.2	33	35
HDDR0912-273K	27000	100	0.0796	0.2	37	35
HDDR0912-333K	33000	90	0.0796	0.2	42	35
HDDR0912-393K	39000	90	0.0796	0.2	45	30
HDDR0912-473K	47000	80	0.0796	0.2	52	30

- ※ : Please specify the inductance tolerance code (K=±10%, M=±20%)
- ※ Inductance drop = 10% typ. at IDC
- ※ Operating Temperature Range: -20°C ~ +105°C
- ※ We are capable to design according to customer special requirement, Please contact your local sales.

Electrical Performance Test

Item	Specification	Test Methods
Inductance	Refer to standard electrical spec.	HP4291B
DCR		Agilent 34401A

Reliability Test

tem	Specification	Test Methods
Vibration	Appearance: No damage L change: within±10% RDC: within specification	Test device shall be soldered on the substrate Oscillation Frequency: 10 to 55 to 10Hz for 1 min. Amplitude: 1.5 mm Time: 2 hrs for each axis (X, Y &Z), total 6 hrs
Solderability	90% covered with solder	Pre-heating: 150°C, 1min Solder Composition: Sn/Ag/Cu=95.6/3.0/0.5 Solder Temperature: 245±5°C Immersion Time: 4±1sec
Resistance to Soldering Heat	Appearance: No Damage	Pre-heating:150°C,1Min. Solder Composition: Sn/Ag/Cu=95.6/3.0/0.5 Solder Temperature: 260±5°C Immersion Time: 4±1Sec.

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Through Hole Inductors



Drum Series

Environmental Test

tem	Specification	Test Methods
Temperature Shock	Appearance: No damage L change: within±10% RDC: within specification	10 cycles (Air to Air) 1 cycles shall consist of: 30 minutes exposure to -55 °C 30 minutes exposure to 125 °C 15 seconds maximum transition between temperatures
Temperature Cycle	Appearance: No damage L change: within±10% RDC: within specification	One cycle: One cycle/step1: -25±3°C for 30min step2: 25±2°C for 3min step3:85±3°C for 30min step4:25±2°C for 3min Total: 100 cycles Measured after exposure in the room condition for 24hrs
Humidity Resistance	Appearance: No damage L change: within±10% RDC: within specification	Temperature: 40±2°C Relative Humidity: 90 ~ 95% Time: 1000hrs Measured after exposure in the room condition for 24hrs
Heat Temperature		Temperature: 85±3°C Relative Humidity: 20% Applied Current: Rated Current Time: 1000hrs Measured after exposure in the room condition for 24hrs
Low Temperature		Temperature: -25±3°C Relative Humidity: 0% Time: 1000hrs Measured after exposure in the room condition for 24hrs

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