

◆ELECTRICAL CHARACTERISTICS:

SRYH.0420 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)Typ	Heat Rating Current (A)
SRYH.0420.YFR10MT00	0.10	100/0.25	4.0	25.0	12.0
SRYH.0420.YFR22MT00	0.22	100/0.25	6.6	12.5	9.0
SRYH.0420.YFR47MT00	0.47	100/0.25	14	9.5	7.0
SRYH.0420.YFR56MT00	0.56	100/0.25	16	9.3	6.5
SRYH.0420.YFR68MT00	0.68	100/0.25	21	8.0	5.2
SRYH.0420.YF1R0MT00	1.0	100/0.25	27	7.0	4.5
SRYH.0420.YF1R5MT00	1.5	100/0.25	46	6.0	4.0
SRYH.0420.YF2R2MT00	2.2	100/0.25	58	5.0	3.0
SRYH.0420.YF3R3MT00	3.3	100/0.25	87	4.0	2.5
SRYH.0420.YF4R7MT00	4.7	100/0.25	126	3.0	2.2
SRYH.0420.YF6R8MT00	6.8	100/0.25	135	2.5	2.1
SRYH.0420.YF100MT00	10	100/0.25	258	2.0	1.2

SRYH.0530 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)Typ	Heat Rating Current (A)
SRYH.0530.YFR20MT00	0.20	100/0.25	3.9	14.5	13.0
SRYH.0530.YFR47MT00	0.47	100/0.25	8.0	14.0	1.0
SRYH.0530.YFR68MT00	0.68	100/0.25	12	14.0	8.0
SRYH.0530.YF1R0MT00	1.0	100/0.25	15	11.0	7.0
SRYH.0530.YF1R5MT00	1.5	100/0.25	25	10.0	6.0
SRYH.0530.YF2R2MT00	2.2	100/0.25	35	8.0	5.0
SRYH.0530.YF3R3MT00	3.3	100/0.25	46	7.0	4.5
SRYH.0530.YF4R7MT00	4.7	100/0.25	60	6.0	4.0
SRYH.0530.YF6R8MT00	6.8	100/0.25	110	5.0	3.0
SRYH.0530.YF100MT00	10	100/0.25	126	4.5	1.5
SRYH.0530.YF150MT00	15	100/0.25	265	2.5	1.4

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient;

◆ELECTRICAL CHARACTERISTICS:

SRYH.0630 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)Typ	Heat Rating Current (A)
SRYH.0630.YFR22M	0.22	100/0.25	2.8	40.0	23.0
SRYH.0630.YFR47M	0.47	100/0.25	5.5	27.0	14.0
SRYH.0630.YFR68M	0.68	100/0.25	6.3	24.0	13.0
SRYH.0630.YFR82M	0.82	100/0.25	8.0	23.0	12.5
SRYH.0630.YF1R0M	1.0	100/0.25	10	22.0	12.0
SRYH.0630.YF1R5M	1.5	100/0.25	15	18.0	9.5
SRYH.0630.YF2R2M	2.2	100/0.25	20	14.0	8.5
SRYH.0630.YF3R3M	3.3	100/0.25	35	12.0	6.0
SRYH.0630.YF4R7M	4.7	100/0.25	40	9.0	5.5
SRYH.0630.YF5R6M	5.6	100/0.25	40	8.0	4.5
SRYH.0630.YF6R8M	6.8	100/0.25	60	7.0	4.5
SRYH.0630.YF8R2M	8.2	100/0.25	60	6.0	4.5
SRYH.0630.YF100M	10	100/0.25	68	5.5	4.0
SRYH.0630.YF150M	15	100/0.25	122	5.0	3.0
SRYH.0630.YF220M	22	100/0.25	145	3.2	3.0
SRYH.0630.YF330M	33	100/0.25	270	3.0	2.0

SRYH.0650 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (mΩ)	Saturation Current(A)Typ	Heat Rating Current (A)
SRYH.0650.YFR47M	0.47	100/0.25	3.8	21	20
SRYH.0650.YFR68M	0.68	100/0.25	4.2	18	16
SRYH.0650.YFR82M	0.82	100/0.25	4.9	17	15.5
SRYH.0650.YF1R0M	1.0	100/0.25	6.5	13	12
SRYH.0650.YF1R5M	1.5	100/0.25	8.5	10	10
SRYH.0650.YF2R2M	2.2	100/0.25	12.5	9.5	9.5
SRYH.0650.YF3R3M	3.3	100/0.25	20.9	9.0	8.5
SRYH.0650.YF4R7M	4.7	100/0.25	27	8.0	6.5
SRYH.0650.YF6R8M	6.8	100/0.25	38	7.0	5.5
SRYH.0650.YF100M	10	100/0.25	55	6.0	4.5
SRYH.0650.YF150M	15	100/0.25	85	4.0	3.1
SRYH.0650.YF220M	22	100/0.25	130	3.5	2.6
SRYH.0650.YF330M	33	100/0.25	200	3.0	2.3
SRYH.0650.YF470M	47	100/0.25	290	2.8	2.0

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient;

◆ELECTRICAL CHARACTERISTICS:

SRYH.1040 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)Typ	Heat Rating Current (A)
SRYH.1040.YFR22MT00	0.22	100/0.25	0.60	45	35
SRYH.1040.YFR47MT00	0.47	100/0.25	1.20	38	33
SRYH.1040.YFR68MT00	0.68	100/0.25	1.55	30	27
SRYH.1040.YF1R0MT00	1.0	100/0.25	3.10	26	20
SRYH.1040.YF1R5MT00	1.5	100/0.25	4.20	22	16
SRYH.1040.YF2R2MT00	2.2	100/0.25	7.00	16	14
SRYH.1040.YF3R3MT00	3.3	100/0.25	13.2	12	11
SRYH.1040.YF4R7MT00	4.7	100/0.25	16.5	12	9.0
SRYH.1040.YF6R8MT00	6.8	100/0.25	25.0	10	6.0
SRYH.1040.YF8R2MT00	8.2	100/0.25	30.0	9.0	6.0
SRYH.1040.YF100MT00	10	100/0.25	30.0	7.0	5.5
SRYH.1040.YF150MT00	15	100/0.25	45.0	6.0	5.2
SRYH.1040.YF220MT00	22	100/0.25	72.0	5.5	5.0
SRYH.1040.YF330MT00	33	100/0.25	110	5.0	3.2
SRYH.1040.YF470MT00	47	100/0.25	158	4.5	2.8
SRYH.1040.YF680MT00	68	100/0.25	195	2.6	2.5
SRYH.1040.YF101MT00	100	100/0.25	300	2.0	1.5

SRYH.1050 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)Typ	Heat Rating Current (A)
SRYH.1050.YF1R0MT00	1.0	100/0.25	3.00	24.0	20.0
SRYH.1050.YF1R5MT00	1.5	100/0.25	4.20	23.0	16.0
SRYH.1050.YF2R2MT00	2.2	100/0.25	6.50	18.0	12.5
SRYH.1050.YF3R3MT00	3.3	100/0.25	11.0	16.0	11.0
SRYH.1050.YF4R7MT00	4.7	100/0.25	13.0	14.0	10.0
SRYH.1050.YF5R6MT00	5.6	100/0.25	16.5	13.0	9.50
SRYH.1050.YF6R8MT00	6.8	100/0.25	18.5	12.0	8.00
SRYH.1050.YF100MT00	10	100/0.25	25.0	9.00	7.00
SRYH.1050.YF150MT00	15	100/0.25	45.0	7.00	5.50
SRYH.1050.YF220MT00	22	100/0.25	65.0	6.50	5.50
SRYH.1050.YF330MT00	33	100/0.25	85.0	5.00	3.50
SRYH.1050.YF470MT00	47	100/0.25	100	3.50	3.20
SRYH.1050.YF101MT00	100	100/0.25	250	2.50	1.50
SRYH.1050.YF151MT00	150	100/0.25	400	2.00	1.20

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient;

◆ELECTRICAL CHARACTERISTICS:

SRYH.1260 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)Typ	Heat Rating Current (A)
SRYH.1260.YF4R7MT00	4.7	100/0.25	9.0	24.0	15.0
SRYH.1260.YF5R6MT00	5.6	100/0.25	11.0	22.5	13.0
SRYH.1260.YF6R8MT00	6.8	100/0.25	13.5	19.0	12.0
SRYH.1260.YF8R2MT00	8.2	100/0.25	16.0	13.5	11.0
SRYH.1260.YF100MT00	10	100/0.25	20.7	12.5	10.0
SRYH.1260.YF120MT00	12	100/0.25	23.0	10.0	9.00
SRYH.1260.YF150MT00	15	100/0.25	29.0	9.00	8.50
SRYH.1260.YF180MT00	18	100/0.25	35.0	8.00	7.50
SRYH.1260.YF220MT00	22	100/0.25	39.5	7.50	7.00
SRYH.1260.YF270MT00	27	100/0.25	56.0	6.50	6.00
SRYH.1260.YF330MT00	33	100/0.25	75.0	6.00	5.50
SRYH.1260.YF470MT00	47	100/0.25	90.0	5.50	5.00
SRYH.1260.YF680MT00	68	100/0.25	140	4.50	4.00
SRYH.1260.YF101MT00	100	100/0.25	200	3.50	3.00
SRYH.1260.YF121MT00	120	100/0.25	235	3.20	2.00
SRYH.1260.YF151MT00	150	100/0.25	350	2.70	1.50

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient;

◆**ELECTRICAL CHARACTERISTICS:**

SRYH.1265 Series

Part Number	L(uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)Typ	Heat Rating Current (A)
SRYH.1265.YFR22MT00	0.22	100/0.25	0.8	80	45
SRYH.1265.YFR36MT00	0.36	100/0.25	1.0	70	38
SRYH.1265.YFR47MT00	0.47	100/0.25	1.3	60	35
SRYH.1265.YFR68MT00	0.68	100/0.25	1.5	54	30
SRYH.1265.YFR82MT00	0.82	100/0.25	2.0	52	26
SRYH.1265.YF1R0MT00	1.0	100/0.25	2.5	50	25
SRYH.1265.YF1R5MT00	1.5	100/0.25	4.1	48	21
SRYH.1265.YF2R2MT00	2.2	100/0.25	4.5	40	18
SRYH.1265.YF3R3MT00	3.3	100/0.25	7.0	23	16
SRYH.1265.YF4R7MT00	4.7	100/0.25	11.0	21	14
SRYH.1265.YF6R8MT00	6.8	100/0.25	14.0	18	11.5
SRYH.1265.YF8R2MT00	8.2	100/0.25	20.0	16	10.0
SRYH.1265.YF100MT00	10	100/0.25	22.0	15.5	10.0
SRYH.1265.YF150MT00	15	100/0.25	30.0	12.0	7.0
SRYH.1265.YF220MT00	22	100/0.25	36.0	10.0	6.0
SRYH.1265.YF330MT00	33	100/0.25	55.7	9.0	5.0
SRYH.1265.YF470MT00	47	100/0.25	75.0	6.0	4.0
SRYH.1265.YF680MT00	68	100/0.25	115	5.0	3.0
SRYH.1265.YF820MT00	82	100/0.25	130	4.5	2.5
SRYH.1265.YF101MT00	100	100/0.25	145	3.5	2.0
SRYH.1265.YF151MT00	150	100/0.25	280	2.5	1.6

Note:

- 1、Tolerance: N:±30% , M:±20% , K:±10%;
- 2、Saturation Current: DC current at which the inductance drops approximate 30%typ from its value without current;
- 3、Heat Rating Current: DC current that causes the temperature rise ($\Delta T \leq 40^{\circ}\text{C}$) from 25°C ambient;