



## FEATURES

- ◆ Low profile very effective in space-applications.
- ◆ High energy storage and very low resistance.
- ◆ Packed in embossed carrier tape and can be used by automatic mounting machine.

## APPLICATIONS

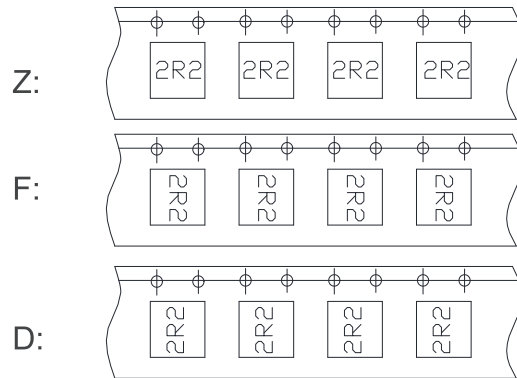
- ◆ Ideally used in Power supply for VTR, OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter.

## PRODUCT IDENTIFICATION

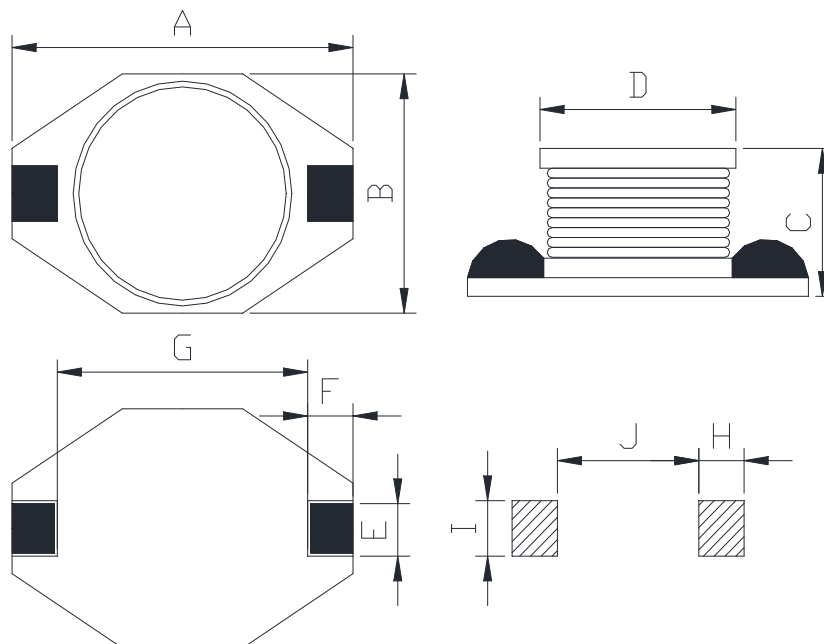
SRDR 3316 Y F 100 M T 00  
a b c d e f g h

- a: Series name
- b: Product dimensions (a x c)
- c: Sealing way (L: Cold seal Y: Heat seal)
- d: Lettering direction ▶
- e: Inductance Value  
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: Inductance Tolerance (K:10% ; M:20% ; N:30%)
- g: Package(T:Tape/Reel、 B: Bulk)
- h: Numbering (standard)

### ▶ Lettering direction



## SHAPES AND DIMENSIONS



Series	Dimensions(mm)									
	A Max.	B Max.	C Max.	D Max.	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.	J Ref.
SRDR.1608	6.60	4.45	2.92	3.94	1.27	1.02	4.32	1.40	3.50	4.00
SRDR.3308	12.95	9.40	3.50	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SRDR.3316	12.95	9.40	5.21	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SRDR.3340	12.95	9.40	11.43	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SRDR.5022	18.54	15.24	7.11	12.7	2.54	2.54	12.7	2.90	3.00	12.4

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. ( $\Omega$ )	Saturation Current(A)	Heat Rating Current (A)
SRDR.1608.LF1R0MT00	1.0	100/0.25	0.050	2.90	2.90
SRDR.1608.LF1R5MT00	1.5	100/0.25	0.050	2.60	2.80
SRDR.1608.LF2R2MT00	2.2	100/0.25	0.070	2.30	2.40
SRDR.1608.LF3R3MT00	3.3	100/0.25	0.080	2.00	2.00
SRDR.1608.LF4R7MT00	4.7	100/0.25	0.090	1.50	1.50
SRDR.1608.LF6R8MT00	6.8	100/0.25	0.130	1.20	1.40
SRDR.1608.LF100MT00	10	100/0.25	0.160	1.10	1.30
SRDR.1608.LF150MT00	15	100/0.25	0.230	0.90	1.20
SRDR.1608.LF220MT00	22	100/0.25	0.370	0.70	0.80
SRDR.1608.LF330MT00	33	100/0.25	0.510	0.58	0.60
SRDR.1608.LF470MT00	47	100/0.25	0.640	0.50	0.50
SRDR.1608.LF680MT00	68	100/0.25	0.860	0.40	0.40
SRDR.1608.LF101MT00	100	100/0.25	1.270	0.31	0.30
SRDR.1608.LF151MT00	150	100/0.25	2.000	0.27	0.25
SRDR.1608.LF221MT00	220	100/0.25	3.110	0.22	0.20
SRDR.1608.LF331MT00	330	100/0.25	3.800	0.18	0.16
SRDR.1608.LF471MT00	470	100/0.25	6.200	0.16	0.15
SRDR.1608.LF681MT00	680	100/0.25	9.200	0.14	0.12
SRDR.1608.LF102MT00	1000	100/0.25	13.800	0.10	0.07

## Note:

Tolerance: N: $\pm$ 30% , M: $\pm$ 20% , K: $\pm$ 10%

Saturation Current: DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current: DC current that causes the temperature rise ( $\Delta T = 40^{\circ}\text{C}$ ) from  $25^{\circ}\text{C}$  ambient;

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. ( $\Omega$ )	Saturation Current(A)	Heat Rating Current (A)
SRDR.3308.LF100MT00	10	100/0.25	0.110	2.40	2.00
SRDR.3308.LF150MT00	15	100/0.25	0.150	2.00	1.50
SRDR.3308.LF220MT00	22	100/0.25	0.230	1.60	1.30
SRDR.3308.LF330MT00	33	100/0.25	0.300	1.40	1.10
SRDR.3308.LF470MT00	47	100/0.25	0.390	1.00	0.80
SRDR.3308.LF680MT00	68	100/0.25	0.660	0.90	0.70
SRDR.3308.LF101MT00	100	100/0.25	0.840	0.70	0.60
SRDR.3308.LF151MT00	150	100/0.25	1.200	0.60	0.50
SRDR.3308.LF221MT00	220	100/0.25	1.900	0.50	0.40
SRDR.3308.LF331MT00	330	100/0.25	2.700	0.40	0.30
SRDR.3308.LF471MT00	470	100/0.25	4.000	0.30	0.20
SRDR.3308.LF681MT00	680	100/0.25	5.300	0.20	0.10
SRDR.3308.LF102MT00	1000	100/0.25	8.400	0.10	0.05

## ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. ( $\Omega$ )	Saturation Current(A)	Heat Rating Current (A)
SRDR.3316.LF1R0MT00	1.0	100/0.25	0.009	9.00	6.80
SRDR.3316.LF2R2MT00	2.2	100/0.25	0.012	7.00	6.10
SRDR.3316.LF3R3MT00	3.3	100/0.25	0.015	6.40	5.40
SRDR.3316.LF4R7MT00	4.7	100/0.25	0.018	5.40	4.80
SRDR.3316.LF6R8MT00	6.8	100/0.25	0.027	4.60	4.40
SRDR.3316.LF100MT00	10	100/0.25	0.038	3.80	3.90
SRDR.3316.LF150MT00	15	100/0.25	0.046	3.00	3.10
SRDR.3316.LF220MT00	22	100/0.25	0.085	2.60	2.70
SRDR.3316.LF330MT00	33	100/0.25	0.100	2.00	2.10
SRDR.3316.LF470MT00	47	100/0.25	0.140	1.60	1.80
SRDR.3316.LF680MT00	68	100/0.25	0.200	1.40	1.50
SRDR.3316.LF101MT00	100	100/0.25	0.280	1.20	1.30
SRDR.3316.LF151MT00	150	100/0.25	0.400	1.00	1.00
SRDR.3316.LF221MT00	220	100/0.25	0.610	0.80	0.80
SRDR.3316.LF331MT00	330	100/0.25	1.020	0.60	0.60
SRDR.3316.LF471MT00	470	100/0.25	1.270	0.50	0.50
SRDR.3316.LF681MT00	680	100/0.25	2.020	0.40	0.40
SRDR.3316.LF102MT00	1000	100/0.25	3.000	0.30	0.30

Note:

Tolerance: N:±30% , M:±20% , K:±10%

Saturation Current: DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current: DC current that causes the temperature rise ( $\Delta T = 40^{\circ}\text{C}$ ) from  $25^{\circ}\text{C}$  ambient;

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. ( $\Omega$ )	Saturation Current(A)	Heat Rating Current (A)
SRDR.3340.LF100MT00	10	100/0.25	0.040	8.00	3.50
SRDR.3340.LF150MT00	15	100/0.25	0.050	7.00	3.00
SRDR.3340.LF220MT00	22	100/0.25	0.066	5.50	2.50
SRDR.3340.LF330MT00	33	100/0.25	0.080	4.00	2.00
SRDR.3340.LF470MT00	47	100/0.25	0.110	3.80	1.60
SRDR.3340.LF680MT00	68	100/0.25	0.170	3.00	1.20
SRDR.3340.LF101MT00	100	100/0.25	0.220	2.50	1.00
SRDR.3340.LF151MT00	150	100/0.25	0.340	2.00	0.90
SRDR.3340.LF221MT00	220	100/0.25	0.440	1.60	0.70
SRDR.3340.LF331MT00	330	100/0.25	0.700	1.20	0.60
SRDR.3340.LF471MT00	470	100/0.25	0.950	1.10	0.30
SRDR.3340.LF681MT00	680	100/0.25	1.200	1.00	0.20
SRDR.3340.LF102MT00	1000	100/0.25	2.000	0.80	0.10

## ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. ( $\Omega$ )	Saturation Current(A)	Heat Rating Current (A)
SRDR.5022.LF1R0MT00	1.0	100/0.25	0.009	20.00	8.60
SRDR.5022.LF2R2MT00	2.2	100/0.25	0.014	16.00	7.10
SRDR.5022.LF3R3MT00	3.3	100/0.25	0.018	14.00	6.20
SRDR.5022.LF5R6MT00	5.6	100/0.25	0.020	12.00	5.30
SRDR.5022.LF100MT00	10	100/0.25	0.031	10.00	4.30
SRDR.5022.LF150MT00	15	100/0.25	0.036	8.00	4.00
SRDR.5022.LF220MT00	22	100/0.25	0.047	7.00	3.50
SRDR.5022.LF330MT00	33	100/0.25	0.066	5.50	3.00
SRDR.5022.LF470MT00	47	100/0.25	0.086	4.50	2.60
SRDR.5022.LF680MT00	68	100/0.25	0.130	3.50	2.30
SRDR.5022.LF101MT00	100	100/0.25	0.190	3.00	1.80
SRDR.5022.LF151MT00	150	100/0.25	0.250	2.60	1.50
SRDR.5022.LF221MT00	220	100/0.25	0.380	2.40	1.20
SRDR.5022.LF331MT00	330	100/0.25	0.560	1.90	1.00
SRDR.5022.LF471MT00	470	100/0.25	0.850	1.40	0.82
SRDR.5022.LF681MT00	680	100/0.25	1.100	1.20	0.72
SRDR.5022.LF102MT00	1000	100/0.25	1.800	1.00	0.56

Note:

Tolerance: N: $\pm$ 30% , M: $\pm$ 20% , K: $\pm$ 10%

Saturation Current: DC current at which the inductance drops approximate 10% from its value without current;

Heat Rating Current: DC current that causes the temperature rise ( $\Delta T = 40^{\circ}\text{C}$ ) from  $25^{\circ}\text{C}$  ambient;