SMD Power Inductors
SRDRS Series

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

SRDRS	3316	L	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

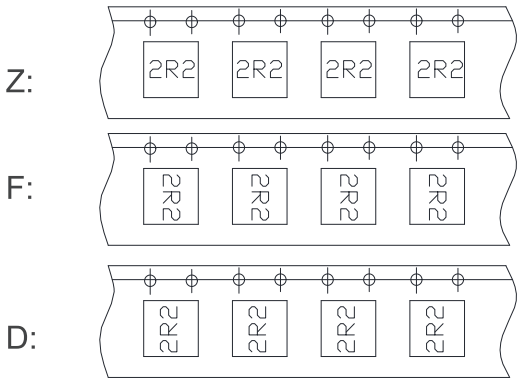
(1R0:1.0uH; 100: 10uH; 101:100uH)

f：Inductance Tolerance (K:10% ; M:20% ; N:30%)

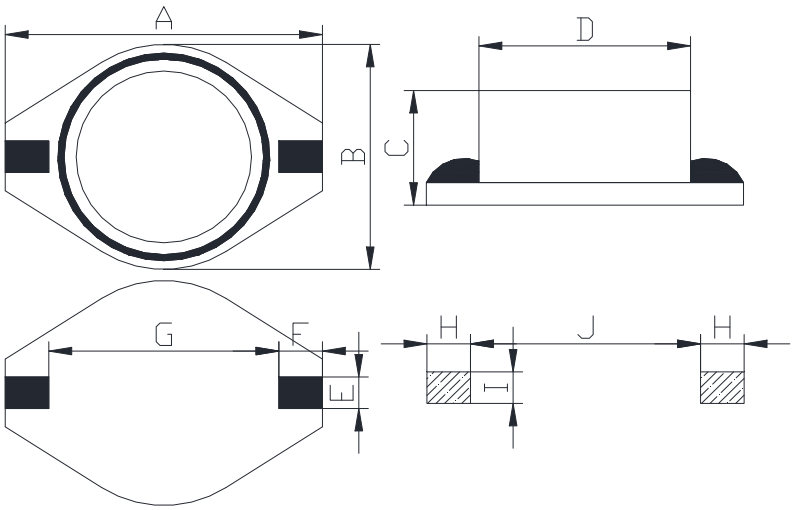
g：Package(T:Tape/Reel、B: Bulk)

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.
SRDRS.3316	12.95	9.40	5.21	8.38	2.54	2.54	7.62	2.90	3.00	7.30
SRDRS.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. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRDRS.3316.LF1R0MT00	1.0	100/0.25	0.021	5.60	5.00
SRDRS.3316.LF1R5MT00	1.5	100/0.25	0.022	5.20	4.50
SRDRS.3316.LF2R2MT00	2.2	100/0.25	0.032	5.00	3.80
SRDRS.3316.LF3R3MT00	3.3	100/0.25	0.039	3.90	3.30
SRDRS.3316.LF4R7MT00	4.7	100/0.25	0.054	3.20	2.70
SRDRS.3316.LF6R8MT00	6.8	100/0.25	0.075	2.80	2.20
SRDRS.3316.LF100MT00	10	100/0.25	0.101	2.40	2.00
SRDRS.3316.LF150MT00	15	100/0.25	0.150	2.00	1.50
SRDRS.3316.LF220MT00	22	100/0.25	0.207	1.60	1.30
SRDRS.3316.LF330MT00	33	100/0.25	0.334	1.40	1.10
SRDRS.3316.LF470MT00	47	100/0.25	0.472	1.00	0.80
SRDRS.3316.LF680MT00	68	100/0.25	0.660	0.90	0.70
SRDRS.3316.LF101MT00	100	100/0.25	1.110	0.80	0.60
SRDRS.3316.LF151MT00	150	100/0.25	1.550	0.60	0.50
SRDRS.3316.LF221MT00	220	100/0.25	2.000	0.50	0.40

ELECTRICAL CHARACTERISTICS

Part Number	L (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Saturation Current(A)	Heat Rating Current (A)
SRDRS.5022.LF100MT00	10	100/0.25	0.040	8.00	3.90
SRDRS.5022.LF150MT00	15	100/0.25	0.048	7.00	3.40
SRDRS.5022.LF220MT00	22	100/0.25	0.059	6.00	3.10
SRDRS.5022.LF330MT00	33	100/0.25	0.075	5.00	2.80
SRDRS.5022.LF470MT00	47	100/0.25	0.097	4.00	2.40
SRDRS.5022.LF680MT00	68	100/0.25	0.138	3.00	2.00
SRDRS.5022.LF101MT00	100	100/0.25	0.207	2.40	1.70
SRDRS.5022.LF151MT00	150	100/0.25	0.293	2.10	1.30
SRDRS.5022.LF221MT00	220	100/0.25	0.470	1.90	1.10
SRDRS.5022.LF331MT00	330	100/0.25	0.780	1.10	0.86
SRDRS.5022.LF471MT00	470	100/0.25	1.080	1.10	0.73
SRDRS.5022.LF681MT00	680	100/0.25	1.400	0.96	0.64
SRDRS.5022.LF102MT00	1000	100/0.25	2.010	0.80	0.53

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 (△T =40°C) from 25°C ambient;