

SMD Power Inductor(HLSP Series) 贴片功率电感 HLSP 系列

FEATURES 特点

- **Excellent solderability and high heat resistance.**
良好的可焊性
- **Surface mount inductor with high current rating.**
大电流表面贴装电感



APPLICATIONS 应用

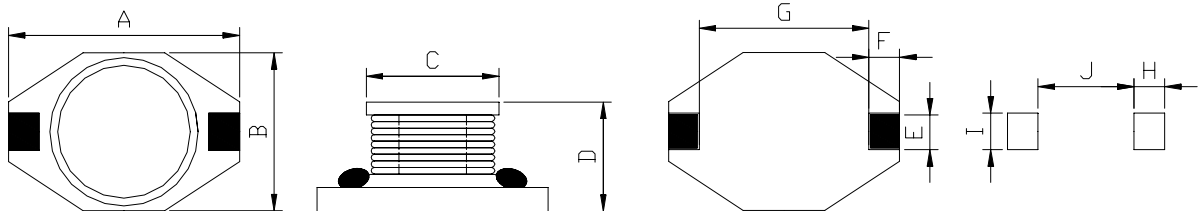
- **Ideally used in Digital camera, LCD television set notebook PC, etc as DC-DC Converter.**
用于数码相机、液晶电视、笔记本电脑、DC-DC 变压器之电源供应器等。

Product Identification 产品标识

HLSP **3316** - **3R3** **M** : **LF**
 ① ② ③ ④ ⑤

- ① **Series name** 系列名称
- ② **Product dimensions** 产品尺寸
- ③ **Inductance Value** 电感量: (3R3:3.3uH 100: 10uH; 101:100uH)
- ④ **Inductance Tolerance** 电感量公差: (K:10% ; M:20% ; N:30%)
- ⑤ **Lead free products** 无铅产品

Shapes And Dimensions 外形及尺寸示意图



Series	Dimensions(mm)									
	A(max)	B(max)	C	D(max)	E	F	G	H	I	J
HLSP3308	13	9.5	8.38	3.0	2.54	2.54	7.6	3.0	2.8	7.4
HLSP3316	13	9.5	8.38	5.3	2.54	2.54	7.6	3.0	2.8	7.4
HLSP3340	13	9.5	8.38	11.5	2.54	2.54	7.6	3.0	2.8	7.4

Electrical Characteristics 电气性能

HLSP3308 Series

Part Number	L±20% (uH)	DCR max. (Ω)	SRF type (MHz)	Isat (A)	Irms (A)
HLSP3308-4R7M-LF	4.7	0.04	50	4.20	3.2
HLSP3308-6R8M-LF	6.8	0.06	47	3.90	2.6
HLSP3308-100M-LF	10	0.09	37	2.70	2.3
HLSP3308-150M-LF	15	0.12	35	2.30	1.9
HLSP3308-220M-LF	22	0.18	26	1.80	1.5
HLSP3308-330M-LF	33	0.25	19	1.60	1.2
HLSP3308-470M-LF	47	0.32	14	1.30	1.0
HLSP3308-680M-LF	68	0.54	12	1.10	0.9
HLSP3308-101M-LF	100	0.69	11	0.87	0.73
HLSP3308-151M-LF	150	0.94	9.0	0.74	0.62
HLSP3308-221M-LF	220	1.60	6.0	0.56	0.51
HLSP3308-331M-LF	330	2.15	5.5	0.500	0.40
HLSP3308-471M-LF	470	3.30	4.5	0.400	0.33
HLSP3308-681M-LF	680	4.40	3.5	0.330	0.28
HLSP3308-102M-LF	1000	7.00	2.5	0.290	0.23

1. tested at 100 kHz, 0.1 Vrms, 0 Adc.

2. Isat: DC current at which the inductance drops 10% from its value without current

3. Irms: Current that causes a 40°C temperature rise from 25°C ambient.

HLSP3316 Series

Part Number	L±20% (μ H)	DCR max. (Ω)	SRF type (MHz)	Isat (A)	Irms (A)
HLSP3316-1R0M-LF	1.0	0.009	100	9.0	6.8
HLSP3316-1R5M-LF	1.5	0.010	90	8.0	6.4
HLSP3316-2R2M-LF	2.2	0.012	80	7.0	6.1
HLSP3316-3R3M-LF	3.3	0.015	65	6.4	5.4
HLSP3316-4R7M-LF	4.7	0.018	45	5.4	4.8
HLSP3316-6R8M-LF	6.8	0.03	38	4.6	4.4
HLSP3316-100M-LF	10	0.04	30	3.8	3.9
HLSP3316-150M-LF	15	0.05	27	3.0	3.1
HLSP3316-220M-LF	22	0.09	19	2.3	2.7
HLSP3316-330M-LF	33	0.10	15	2.0	2.1
HLSP3316-470M-LF	47	0.14	12	1.6	1.8
HLSP3316-680M-LF	68	0.20	10	1.4	1.5
HLSP3316-101M-LF	100	0.28	9	1.2	1.3
HLSP3316-151M-LF	150	0.40	6.0	1.0	1.0
HLSP3316-221M-LF	220	0.61	5.0	0.8	0.8
HLSP3316-331M-LF	330	1.02	4.5	0.6	0.6
HLSP3316-471M-LF	470	1.27	3.5	0.5	0.5
HLSP3316-681M-LF	680	2.02	2.5	0.4	0.4
HLSP3316-102M-LF	1000	3.00	2.0	0.3	0.3

1. tested at 100 kHz, 0.1 Vrms, 0 Adc.

2. Isat: DC current at which the inductance drops 10% from its value without current

3. Irms: Current that causes a 40°C temperature rise from 25°C ambient.

HLSP3340 Series

Part Number	L±20% (μ H)	DCR max. (Ω)	SRF type (MHz)	Isat (A)	Irms (A)
HLSP3340-100M-LF	10	0.04	35	8.0	3.5
HLSP3340-150M-LF	15	0.05	18	7.0	3.0
HLSP3340-220M-LF	22	0.70	13	5.5	2.5
HLSP3340-330M-LF	33	0.80	11	4.0	2.0
HLSP3340-470M-LF	47	0.11	9	3.8	1.6
HLSP3340-680M-LF	68	0.17	7	3.0	1.2
HLSP3340-101M-LF	100	0.22	6	2.5	1.2
HLSP3340-151M-LF	150	0.34	4.5	2.0	0.9
HLSP3340-221M-LF	220	0.44	3.5	1.6	0.7
HLSP3340-331M-LF	330	0.70	3.0	1.2	0.6
HLSP3340-471M-LF	470	0.95	2.5	1.0	0.3
HLSP3340-681M-LF	680	1.15	2.0	1.0	0.2
HLSP3340-102M-LF	1000	2.00	1.5	0.8	0.1

1. tested at 100 kHz, 0.1 Vrms, 0 Adc.

2. Isat: DC current at which the inductance drops 10% from its value without current

3. Irms: Current that causes a 40°C temperature rise from 25°C ambient.
