



professional sample kit for development and research

PRELIMINARY
March 2008

TDK SLF Power Inductor Sample Kit



Leistungs- Induktivitäten Sortiment
Power Inductor Designer Kit



RoHS konform
RoHS Compliance



Sortiment / sample kit

Wesentliche Merkmale

- ◆ Bauteilgröße
- ◆ Bauteile gesamt
- ◆ RoHS konform
- ◆ transparente PET Flachpackung

SLF6028
SLF7032
SLF7045
SLF10145
SLF12575

510
✓

Features

- ◆ Component size
- ◆ Number of parts in total
- ◆ RoHS Compliance
- ◆ transparent PET container

SLF6028
SLF7032
SLF7045
SLF10145
SLF12575

510
✓

Anwendungen

- ◆ Entwicklung
- ◆ Forschung
- ◆ Labor

Applications

- ◆ Development
- ◆ Research
- ◆ Labor

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Ringordner und Bauteilentnahme. ring-binder and how to take out the components.



Ringordner / ring-binder



Entnahme / taking out

Eigenschaften des Sortiments Characteristics of the sample kit

Bezeichnung Parameter	Wert Value	Einheit Unit
Bauteilgröße Component size	SLF6028 SLF7032 SLF7045 SLF10145 SLF12575 6 x 6 x 2.8 7 x 7 x 3.2 7 x 7 x 4.5 10.1 x 10.1 x 4.5 12.5 x 12.5 x 7.5	mm
Bauteiltoleranz Tolerance of the Components	Siehe Tabelle: „Sortiment Inhalt“ see table: „Sample Kit Content“	
Wertebereich Range of values	4.7 – 100 3.3 – 1000 3.3 – 1000 10 – 1500 1.2 – 220	µH
Anzahl der Werte Number of values	65	
Bauteile pro Wert Number of parts per value	10 / 5	Stück pieces
Bauteile gesamt Number of parts in total	510	Stück pieces
RoHS konform RoHS Compliance	✓	

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Abmessungen (L x B x H): Dimensions (l x w x h)	ca. / approx. 285 x 315 x 60	mm
Gewicht Weight	1.6	kg

Sortiment Inhalt Sample Kit Content

SLF 6028

Nr.	Wert	Baugröße	Strombelastbarkeit (A)	DC-Widerstand (Ohm) $\pm 20\%$	Toleranz	TDK Teilenummer
Nbr.	Value	Dimension	Rated current (A)	DC-Resistance (Ohm) $\pm 20\%$	Tolerance	TDK Part No.
1	4.7 μ H	SLF6028	1.6max.	0.0284	$\pm 20\%$	SLF6028T-4R7M1R6-PF
2	6.8 μ H	SLF6028	1.5max.	0.0354	$\pm 20\%$	SLF6028T-6R8M1R5-PF
3	10 μ H	SLF6028	1.3max.	0.0532	$\pm 20\%$	SLF6028T-100M1R3-PF
4	15 μ H	SLF6028	1.0max.	0.0745	$\pm 20\%$	SLF6028T-150M1R0-PF
5	22 μ H	SLF6028	0.77max.	0.104	$\pm 20\%$	SLF6028T-220MR77-PF
6	33 μ H	SLF6028	0.69max.	0.148	$\pm 20\%$	SLF6028T-330MR69-PF
7	47 μ H	SLF6028	0.59max.	0.21	$\pm 20\%$	SLF6028T-470MR59-PF
8	68 μ H	SLF6028	0.5max.	0.29	$\pm 20\%$	SLF6028T-680MR50-PF
9	100 μ H	SLF6028	0.42max.	0.43	$\pm 20\%$	SLF6028T-101MR42-PF

SLF 7032

Nr.	Wert	Baugröße	Strombelastbarkeit (A)	DC-Widerstand (Ohm) $\pm 20\%$	Toleranz	TDK Teilenummer
Nbr.	Value	Dimension	Rated current (A)	DC-Resistance (Ohm) $\pm 20\%$	Tolerance	TDK Part No.
1	3.3 μ H	SLF7032	1.9max.	0.023	$\pm 20\%$	SLF7032T-3R3M1R9-2PF
2	4.7 μ H	SLF7032	1.7max.	0.030	$\pm 20\%$	SLF7032T-4R7M1R7-2PF
3	6.8 μ H	SLF7032	1.6max.	0.041	$\pm 20\%$	SLF7032T-6R8M1R6-2PF
4	10 μ H	SLF7032	1.4max.	0.053	$\pm 20\%$	SLF7032T-100M1R4-2PF
5	15 μ H	SLF7032	1.1max.	0.075	$\pm 20\%$	SLF7032T-150M1R1-2PF
6	22 μ H	SLF7032	0.96max.	0.11	$\pm 20\%$	SLF7032T-220MR96-2PF
7	33 μ H	SLF7032	0.75max.	0.16	$\pm 20\%$	SLF7032T-330MR75-2PF
8	47 μ H	SLF7032	0.67max.	0.24	$\pm 20\%$	SLF7032T-470MR67-2PF
9	100 μ H	SLF7032	0.45max.	0.45	$\pm 20\%$	SLF7032T-101MR45-2PF
10	150 μ H	SLF7032	0.37max.	0.65	$\pm 20\%$	SLF7032T-151MR37-2PF

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11	220μH	SLF7032	0.29max.	1.05	±20%	SLF7032T-221MR29-2PF
12	330μH	SLF7032	0.22max.	1.67	±20%	SLF7032T-331MR22-2PF
13	470μH	SLF7032	0.2max.	2.05	±20%	SLF7032T-471MR20-2PF
14	1000μH	SLF7032	0.13max.	4.78	±20%	SLF7032T-102MR13-2PF

SLF7045

Nr.	Wert	Baugröße	Strombelastbarkeit (A)	DC-Widerstand (Ohm) ±20%	Toleranz	TDK Teilenummer
Nbr.	Value	Dimension	Rated current (A)	DC-Resistance (Ohm) ±20%	Tolerance	TDK Part No.
1	3.3μH	SLF7045	2.5max.	0.02	±20%	SLF7045T-3R3M2R5-PF
2	4.7μH	SLF7045	2max.	0.03	±20%	SLF7045T-4R7M2R0-PF
3	6.8μH	SLF7045	1.7max.	0.039	±20%	SLF7045T-6R8M1R7-PF
4	10μH	SLF7045	1.3max.	0.036	±20%	SLF7045T-100M1R3-PF
5	15μH	SLF7045	1.1max.	0.052	±20%	SLF7045T-150M1R1-PF
6	22μH	SLF7045	0.9max.	0.061	±20%	SLF7045T-220MR90-PF
7	33μH	SLF7045	0.82max.	0.096	±20%	SLF7045T-330MR82-PF
8	47μH	SLF7045	0.75max.	0.125	±20%	SLF7045T-470MR75-PF
9	100μH	SLF7045	0.5max.	0.25	±20%	SLF7045T-101MR50-PF
10	150μH	SLF7045	0.4max.	0.34	±20%	SLF7045T-151MR40-PF
11	220μH	SLF7045	0.33max.	0.52	±20%	SLF7045T-221MR33-PF
12	330μH	SLF7045	0.25max.	0.74	±20%	SLF7045T-331MR25-PF
13	470μH	SLF7045	0.22max.	1.05	±20%	SLF7045T-471MR22-PF
14	1000μH	SLF7045	0.14max.	2.28	±20%	SLF7045T-102MR14-PF

SLF10145

Nr.	Wert	Baugröße	Strombelastbarkeit (A)	DC-Widerstand (Ohm) ±20%	Toleranz	TDK Teilenummer
Nbr.	Value	Dimension	Rated current (A)	DC-Resistance (Ohm) ±20%	Tolerance	TDK Part No.
1	10μH	SLF10145	3max.	0.0364	±20%	SLF10145T-100M2R5-PF
2	15μH	SLF10145	2.4max.	0.0472	±20%	SLF10145T-150M2R2-PF
3	22μH	SLF10145	2.1max.	0.0591	±20%	SLF10145T-220M1R9-PF
4	33μH	SLF10145	1.6max.	0.0815	±20%	SLF10145T-330M1R6-PF
5	47μH	SLF10145	1.4max.	0.1	±20%	SLF10145T-470M1R4-PF
6	68μH	SLF10145	1.2max.	0.14	±20%	SLF10145T-680M1R2-PF
7	100μH	SLF10145	1max.	0.20	±20%	SLF10145T-101M1R0-PF

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8	150µH	SLF10145	0.79max.	0.35	±20%	SLF10145T-151MR79-PF
9	220µH	SLF10145	0.65max.	0.47	±20%	SLF10145T-221MR65-PF
10	330µH	SLF10145	0.54max.	0.68	±20%	SLF10145T-331MR54-PF
11	470µH	SLF10145	0.47max.	1.03	±20%	SLF10145T-471MR47-PF
12	680µH	SLF10145	0.38max.	1.6	±20%	SLF10145T-681MR38-PF
13	1000µH	SLF10145	0.32max.	2.8	±20%	SLF10145T-102MR29-PF
14	1500µH	SLF10145	0.22max.	3.4	±20%	SLF10145T-152MR22-PF

SLF12575

Nr.	Wert	Baugröße	Strombelastbarkeit (A)	DC-Widerstand (Ohm) ±20%	Toleranz	TDK Teilenummer
Nbr.	Value	Dimension	Rated current (A)	DC-Resistance (Ohm) ±20%	Tolerance	TDK Part No.
1	1.2µH	SLF12575	13max.	0.0069	±30%	SLF12575T-1R2N8R2-PF
2	2.7µH	SLF12575	10max.	0.0094	±30%	SLF12575T-2R7N7R0-PF
3	3.9µH	SLF12575	9max.	0.0104	±30%	SLF12575T-3R9N6R7-PF
4	5.6µH	SLF12575	7.8max.	0.0116	±30%	SLF12575T-5R6N6R3-PF
5	6.8µH	SLF12575	7.2max.	0.0131	±30%	SLF12575T-6R8N5R9-PF
6	10µH	SLF12575	5.5max.	0.0156	±20%	SLF12575T-100M5R4-PF
7	15µH	SLF12575	4.7max.	0.0184	±20%	SLF12575T-150M4R7-PF
8	22µH	SLF12575	4max.	0.0263	±20%	SLF12575T-220M4R0-PF
9	33µH	SLF12575	3.2max.	0.0395	±20%	SLF12575T-330M3R2-PF
10	47µH	SLF12575	2.7max.	0.0528	±20%	SLF12575T-470M2R7-PF
11	68µH	SLF12575	2max.	0.0778	±20%	SLF12575T-680M2R0-PF
12	100µH	SLF12575	1.9max.	0.125	±20%	SLF12575T-101M1R9-PF
13	150µH	SLF12575	1.5max.	0.175	±20%	SLF12575T-151M1R5-PF
14	220µH	SLF12575	1.3max.	0.258	±20%	SLF12575T-221M1R3-PF

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