Disc	continue Issue Date May.14, 2024		se Order Date .31, 2026	Last Shipm December.		* Please ref	fer to our Web s	site about replacement	information.
1	NDUCI	r o r s	5						⊗TDK
Wou	ctors for power nd ferrite series	circuits						RoHS	REACH Halogen Free Halogen
SL	F10145	type)				Product Portal	earch Simulation Model Select	Tech Library Tech Note
FE	ATURES								
⊖F ⊖C	Magnetic shield ty Product lineup allo Operating temper PPLICATION	ows for vari ature range	ious usages. e: -40 to +10)5°C (includi	ng self-temp				
PA SI se	Thin-screen TVs, NRT NUMBER (LF 101 ries L×W×Hdir me 10.1×10.1×10.1×10.1×10.1×10.1×10.1×10.1	CONSTRU 45 mensions ×4.5 mm	UCTION T Packaging style	J- 3R	3 I	Ctance	3R7 定格? 流 (A)	- PF Internal code	
PA SI se	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: HARACTERIST	CONSTRU 45 mensions ×4.5 mm	UCTION T Packaging style CIFICATIO	J- 3R	3 Ince Inductor	M ctance rance	3R7 ^{定格?} 流	Internal code	
PA SI se	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: HARACTERIST	CONSTRU 45 mensions ×4.5 mm	UCTION T Packaging style CIFICATIO	J- 3R	3 I	M ctance rance	3R7 ^{定格?} 流	Internal	
PA SI se	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: HARACTERIST	CONSTRI	UCTION T Packaging style CIFICATIO DC resi]- 3R Inducta (µH) ON TABLE	3 Ince Inductor	M ctance rance	3R7 ^{定格?} 流	Internal code	
PA SI See na CH L	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1 ARACTERIST	CONSTRI	UCTION T Packaging style CIFICATIO DC resi (Ω)±20	- 3R Inducta (µH) ON TABLE iistance	3 Induction	M ctance rance	3R7 定格? 號 (A)	Internal code Part No.	
■ PA SI Se na CH L (µH) 3.3	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: ARACTERIST	CONSTRI	UCTION T Packaging style CIFICATIO DC resi (<u>Q)±200</u> 0.0161	- 3R Inducta (µH) ON TABLE	3 Induction Ince Induction Induction Rated curr Isat (A)max. 4.9	M ctance rance	3R7 定核? 號 (A) Itemp (A)typ. 3.7	Part No.	
■ PA SI Se na CH L (µH) 3.3 5.6	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: ARACTERIST	CONSTRI	UCTION T Packaging style CIFICATIO DC resi (<u>Q)±20</u> 0.0161 0.0220	- 3R Inducta (µH) ON TABLE sistance	3 Inductions Induction	M ctance rance	3R7 定核? 號 (A)	Part No.	3R2-PF
PA SI Se na CH L (µH) 3.3 5.6 10	ART NUMBER (LF 101 ries me L×W×Hdir 10.1×10.1: ARACTERIST	CONSTRU 45 mensions ×4.5 mm FICS SPEC LMeasuring frequency (kHz) 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (0)±20 0.0161 0.0220 0.0364	- 3R: Inducta (µH) ON TABLE sistance	3 Inductor Ince Inductor Inductor Inductor Inductor Inductor Rated curr Inductor Isat	M ctance rance	3R7 定格? 旅 (A) Itemp (A)typ. 3.7 3.2 2.5	Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-100M2	<u>3R2-PF</u> 2R5-PF
PA Se na CH L (µH) 3.3 5.6 10 15	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: 10.1×10.1: HARACTERIST 10.1×10.1: HARACTERIST 10.1×10.1: ±20% ±20% ±20% ±20% ±20% ±20%	CONSTRU 45 mensions ×4.5 mm FICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (0)±20 0.0161 0.0220 0.0364 0.0472	- 3R: Inducta (µH) ON TABLE sistance	3 Inductor Ince Inductor Inductor Inductor Inductor Inductor Rated curr Isat (A)max. Isat 4.9 3.8 3.8 3 2.4	M ctance rance	3R7 定格? 旅 (A)	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-150M2	<u>3R2-PF</u> 2R5-PF 2R2-PF
PA Seina CH L (µH) 3.3 5.6 10 15 22	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: HARACTERIST ±30% ±20% ±20% ±20% ±20% ±20% ±20%	CONSTRU 45 mensions ×4.5 mm FICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (0)±20 0.0161 0.0220 0.0364 0.0472 0.0591	- 3R: Inducta (µH) ON TABLE sistance	3 Inductor Ince Inductor Ince Inductor Rated curr Isat (A)max. 4.9 3.8 3 2.4 2.1	M ctance rance	3R7 定格? 旅 (A)	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-5R6M3 SLF10145T-100M23 SLF10145T-150M23 SLF10145T-220M73	<u>3R2-PF</u> 2R5-PF 2R2-PF 1R9-PF
PA Se na CH L (µH) 3.3 5.6 10 15	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: HARACTERIST ±30% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20%	CONSTRU 45 mensions ×4.5 mm FICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (0)±20 0.0161 0.0220 0.0364 0.0472	- 3R: Inducta (µH) ON TABLE sistance	3 Inductor Ince Inductor Inductor Inductor Inductor Inductor Rated curr Isat (A)max. Isat 4.9 3.8 3.8 3 2.4	M ctance rance	3R7 定格? 旅 (A)	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-150M2	<u>3R2-PF</u> 2R5-PF 2R2-PF 1R9-PF 1R6-PF
PA Set na C + L (µH) <u>3.3</u> <u>5.6</u> 10 <u>15</u> <u>22</u> <u>33</u>	ART NUMBER (LF 101 ries L×W×Hdir me L×W×Hdir IO.1×10.1: JARACTERIST ±30% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20%	CONSTRU 45 mensions ×4.5 mm FICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (0)±20 0.0161 0.0220 0.0364 0.0472 0.0591 0.0815	- 3R: Inducta (µH) ON TABLE sistance	3 Inductor Ince Inductor Inductor Inductor Rated curr Isat (A)max. Isat (A)max. Isat 2.4 Isat 2.1 I.6	M ctance rance	3R7 定格? 旅 (A)	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-150M2 SLF10145T-220M3 SLF10145T-330M3 SLF10145T-470M3 SLF10145T-470M3	<u>3R2-PF</u> 2R5-PF 2R2-PF 1R9-PF 1R6-PF 1R4-PE 1R2-PF
PA Seina C C C C C C C C C C	ART NUMBER (LF 101 ries L×W×Hdir me L×W×Hdir IO.1×10.1: HARACTERIST ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20%	CONSTRU	UCTION T Packaging style CIFICATIO DC resi (Q)±20 (Q)±20 (Q)161 0.0220 0.0364 0.0472 0.0364 0.0200 0.0364 0.0200 0.0364 0.0472 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.0364 0.0200 0.00000000000000000000000000000	- 3R: Inducta (µH) ON TABLE sistance	3 Inductor Ince Inductor Inductor Inductor Rated curr Inductor Isat Inductor (A)max. Inductor 3.8 3 2.4 2.1 1.6 1.4 1.2 1	M ctance rance	3R7 定格? 旅 (A) (A)	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-30M2 SLF10145T-330M3 SLF10145T-330M3 SLF10145T-470M7 SLF10145T-680M7 SLF10145T-101M11	<u>3R2-PF</u> 2R5-PF 2R2-PF 1R9-PE 1R6-PE 1R4-PE 1R2-PF R0-PF
Γ ΡΑ Sei na C H L (μH) 3.3 5.6 10 15 22 33 47 68 100 150	ART NUMBER (LF 101 ries L×W×Hdir me L×W×Hdir IO.1×10.1: JARACTERIST ±30% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20% ±20%	CONSTRU	UCTION T Packaging style CIFICATIO DC resi (Q)±20 0.0364 0.0472 0.0364 0.0472 0.0364 0.0472 0.0364 0.0472 0.0364 0.0472 0.0364 0.0472 0.0364	- 3R: Inducta (µH) ON TABLE sistance	B Inductor Ince Inductor Inductor Inductor Inductor Inductor Rated curr Inductor Isat Inductor Isat Inductor Inductor Inductor	M ctance rance	3R7 定格? 旅 (A) (A) (A)	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-30M2 SLF10145T-330M7 SLF10145T-470M7 SLF10145T-680M7 SLF10145T-101M11 SLF10145T-101M11	<u>3R2-PF</u> <u>2R5-PF</u> <u>2R2-PF</u> <u>1R9-PE</u> <u>1R6-PE</u> <u>1R4-PE</u> <u>1R2-PF</u> <u>R0-PF</u> <u>379-PF</u>
РА See na CH L (µH) 3.3 5.6 10 15 22 33 47 68 100 150 220	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: HARACTERIST ±30% ±20%	CONSTRU 45 mensions ×4.5 mm TICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1 1 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (Ω)±20 0.0161 0.0220 0.0364 0.0472 0.0364 0.0472 0.0365 0.1 0.0815 0.1 0.0815 0.1 0.0815 0.1 0.035 0.47	- 3R: Inducta (µH) ON TABLE sistance	B Inductor Ince Inductor Ince Inductor Rated curr Isat (A)max. 4.9 3.8 3 2.4 2.1 1.6 1.4 1.2 1 0.79 0.65	M ctance rance	3R7 定格? 旅 (A) (A) (A)	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-100M2 SLF10145T-220M3 SLF10145T-330M3 SLF10145T-470M3 SLF10145T-680M3 SLF10145T-101M11 SLF10145T-101M11 SLF10145T-101M11 SLF10145T-151MF SLF10145T-221MF	<u>3R2-PF</u> <u>2R5-PF</u> <u>2R2-PF</u> <u>1R9-PF</u> <u>1R6-PF</u> <u>1R4-PF</u> <u>1R2-PF</u> <u>R0-PF</u> <u>179-PF</u> <u>365-PF</u>
РА Seena CH L (µH) 3.3 5.6 10 15 22 33 47 68 100 150 220 330	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: 10.1×10.1: HARACTERIST	CONSTRU 45 mensions ×4.5 mm FICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1 1 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (Q)±2C (Q)±2C (Q)±10 0.0364 0.0472 0.0364 0.0472 0.0364 0.0472 0.0365 0.1 0.0472 0.035 0.47 0.68	- 3R: Inducta (µH) ON TABLE sistance	3 Induction Ince Induction Ince Induction Rated curr Induction Isat Induction (A)max. Induction 4.9 3.8 3 2.4 2.1 Induction 1.6 Induction 1.4 Induction 0.79 0.65 0.54 Induction	M ctance rance	3R7 定格? 流 (A) 上を告え、 人) 3.7 3.2 2.5 2.2 1.9 1.7 1.5 1.3 1.1 0.81 0.7 0.58	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-150M2 SLF10145T-220M7 SLF10145T-330M7 SLF10145T-686M3 SLF10145T-1510M2 SLF10145T-680M3 SLF10145T-680M1 SLF10145T-151MF SLF10145T-151MF SLF10145T-221MF SLF10145T-3331MF	3R2-PF 2R5-PF 2R2-PF 1R9-PF 1R6-PF 1R4-PF 1R2-PF 1R0-PF 1R5-PF 1R5-PF 1R6-PF 1R6-PF
РА See na CH L (µH) 3.3 5.6 10 15 22 33 47 68 100 150 220 330 470	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: 10.1×10.1: HARACTERIST 10.1×10.1: HARACTERIST 10.1×10.1: HARACTERIST 10.1×10.1: 120% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120% ±20% 120%	CONSTRU 45 mensions ×4.5 mm TICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1 1 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (Ω)±20 0.0161 0.0220 0.0364 0.0472 0.0591 0.0315 0.1 0.14 0.22 0.35 0.47 0.68 1.03	- 3R: Inducta (µH) ON TABLE sistance	3 Induction Ince Induction Ince Induction Rated curr Induction Isat Induction Isat Induction Isat Induction Isat Induction Induction Induction	M ctance rance	3R7 定格? 流 (A) Ltemp (A)typ. 3.7 3.2 2.5 2.2 1.9 1.7 1.5 1.3 1.1 0.81 0.7 0.58 0.47	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-150M2 SLF10145T-220M7 SLF10145T-330M7 SLF10145T-470M7 SLF10145T-470M7 SLF10145T-151MR SLF10145T-151MR SLF10145T-221MF SLF10145T-331MF SLF10145T-331MF SLF10145T-471MF	3R2-PF 2R5-PF 2R2-PF 1R9-PF 1R6-PF 1R4-PF 1R2-PF 1R2-PF 1R5-PF 1R5-PF 1R5-PF 1R5-PF 1R5-PF 1R5-PF 1R6-PF 1R6-PF 1R2-PF 1R6-PF 1R4-PF 1R4-PF 1R5-PF 1R54-PF 1R47-PE
РА Se na CH L (µH) 3.3 5.6 10 15 22 33 47 68 100 150 220 330 470 680	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: 10.1×10.1: HARACTERIST 10.1×10.1: <td>CONSTRU 45 mensions x4.5 mm TICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1 1 1 1 1 1 1 1</td> <td>UCTION T Packaging style CIFICATIO DC resi (Ω)±20 0.0161 0.0220 0.0364 0.0472 0.03915 0.11 0.14 0.22 0.35 0.47 0.68 1.03 1.6</td> <td>- 3R: Inducta (µH) ON TABLE sistance</td> <td>3 Induction Ince Induction Rated curr Induction Isat Induction (A)max. Induction 4.9 3.8 3 2.4 2.1 1.6 1.4 1.2 1 0.79 0.65 0.54 0.47 0.38</td> <td>M ctance rance</td> <td>3R7 定格? 流 (A) 上emp (A)typ. 3.7 3.2 2.5 2.5 2.5 2.5 2.5 1.7 1.5 1.3 1.1 0.81 0.7 0.58 0.47 0.38</td> <td>Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-100M2 SLF10145T-330M7 SLF10145T-330M7 SLF10145T-680M1 SLF10145T-101M1 SLF10145T-101M1 SLF10145T-101M1 SLF10145T-31MR SLF10145T-331MF SLF10145T-31MF SLF10145T-31MF SLF10145T-31MF SLF10145T-31MF SLF10145T-31MF SLF10145T-331MF SLF10145T-361MF</td> <td>3R2-PF 2R5-PF 2R2-PF 1R9-PF 1R6-PF 1R4-PF 1R2-PF 1R5-PF 1R6-PF 1R5-PF 1R6-PF 1R5-PF 1R6-PF 1R5-PF 1R6-PF 1R79-PF R65-PF R34-PF R38-PF</td>	CONSTRU 45 mensions x4.5 mm TICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1 1 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (Ω)±20 0.0161 0.0220 0.0364 0.0472 0.03915 0.11 0.14 0.22 0.35 0.47 0.68 1.03 1.6	- 3R: Inducta (µH) ON TABLE sistance	3 Induction Ince Induction Rated curr Induction Isat Induction (A)max. Induction 4.9 3.8 3 2.4 2.1 1.6 1.4 1.2 1 0.79 0.65 0.54 0.47 0.38	M ctance rance	3R7 定格? 流 (A) 上emp (A)typ. 3.7 3.2 2.5 2.5 2.5 2.5 2.5 1.7 1.5 1.3 1.1 0.81 0.7 0.58 0.47 0.38	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-100M2 SLF10145T-330M7 SLF10145T-330M7 SLF10145T-680M1 SLF10145T-101M1 SLF10145T-101M1 SLF10145T-101M1 SLF10145T-31MR SLF10145T-331MF SLF10145T-31MF SLF10145T-31MF SLF10145T-31MF SLF10145T-31MF SLF10145T-31MF SLF10145T-331MF SLF10145T-361MF	3R2-PF 2R5-PF 2R2-PF 1R9-PF 1R6-PF 1R4-PF 1R2-PF 1R5-PF 1R6-PF 1R5-PF 1R6-PF 1R5-PF 1R6-PF 1R5-PF 1R6-PF 1R79-PF R65-PF R34-PF R38-PF
РА See na CH L (µH) 3.3 5.6 10 15 22 33 47 68 100 150 220 330 470	ART NUMBER (LF 101 ries L×W×Hdir 10.1×10.1: HARACTERIST ±30% ±20%	CONSTRU 45 mensions ×4.5 mm TICS SPEC LMeasuring frequency (kHz) 1 1 1 1 1 1 1 1 1 1 1 1 1	UCTION T Packaging style CIFICATIO DC resi (Ω)±20 0.0161 0.0220 0.0364 0.0472 0.0591 0.0315 0.1 0.14 0.22 0.35 0.47 0.68 1.03	- 3R: Inducta (µH) ON TABLE sistance	3 Induction Ince Induction Ince Induction Rated curr Induction Isat Induction Isat Induction Isat Induction Isat Induction Induction Induction	M ctance rance	3R7 定格? 流 (A) Ltemp (A)typ. 3.7 3.2 2.5 2.2 1.9 1.7 1.5 1.3 1.1 0.81 0.7 0.58 0.47	Internal code Part No. SLF10145T-3R3N3 SLF10145T-5R6M3 SLF10145T-100M2 SLF10145T-150M2 SLF10145T-220M7 SLF10145T-330M7 SLF10145T-470M7 SLF10145T-470M7 SLF10145T-470M7 SLF10145T-151MR SLF10145T-151MR SLF10145T-221MF SLF10145T-331MF SLF10145T-331MF SLF10145T-471MF	3R2-PF 2R5-PF 2R2-PF 1R9-PF 1R6-PF 1R4-PF 1R2-PF 1R5-PF 1R6-PF 1R4-PF 1R5-PF 1R5-PF 1R6-PF 1R2-PF 1R2-PF 1R35-PF 38-PF 329-PE

 1500
 ±20%
 1
 3.4
 0.22
 0.21

 * Rated current: smaller value of either lsat or Itemp. Isat: When based on the inductance change rate (10 below the nominal value) Itemp: When based on the temperature increase (temperature increase of 30 by self heating)
 1

Measurement equipment

Measurement item	Product No.	Manufacturer
L	4194A	Keysight Technologies
DC resistance	VP-2941A	Panasonic
Rated current Isat	4284A+42841A+42842C	Keysight Technologies
* Equivalent measurement	a sector sector to sector the sector and	

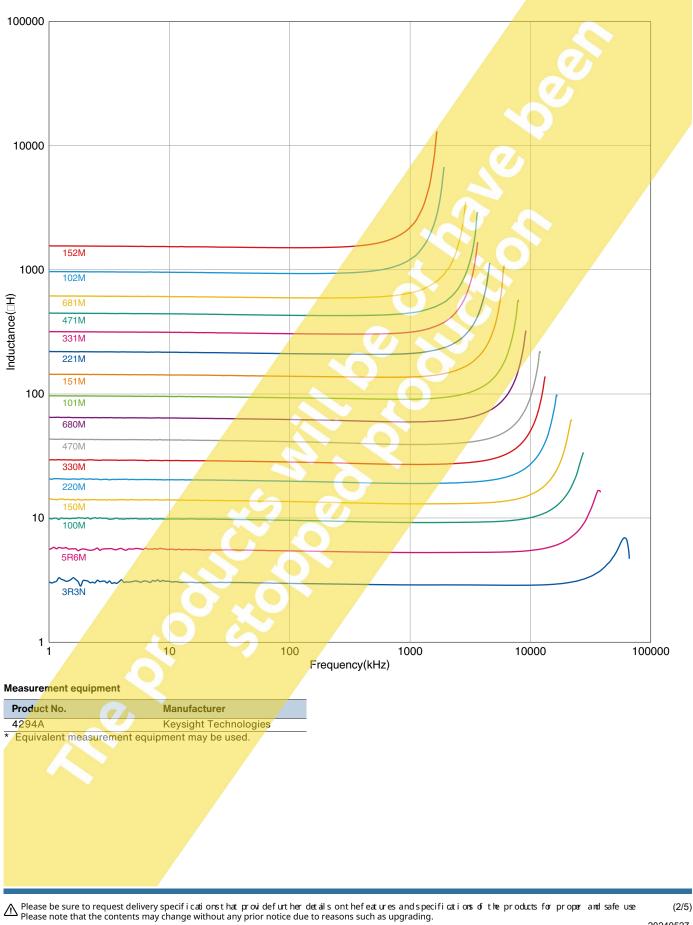
Equivalent measurement equipment may be used.



Please be sure to request delivery specifications that providefurther details on the features and specifications of the products for proper and safe use Please note that the contents may change without any prior notice due to reasons such as upgrading. (1/5) 20240527

SLF10145 type

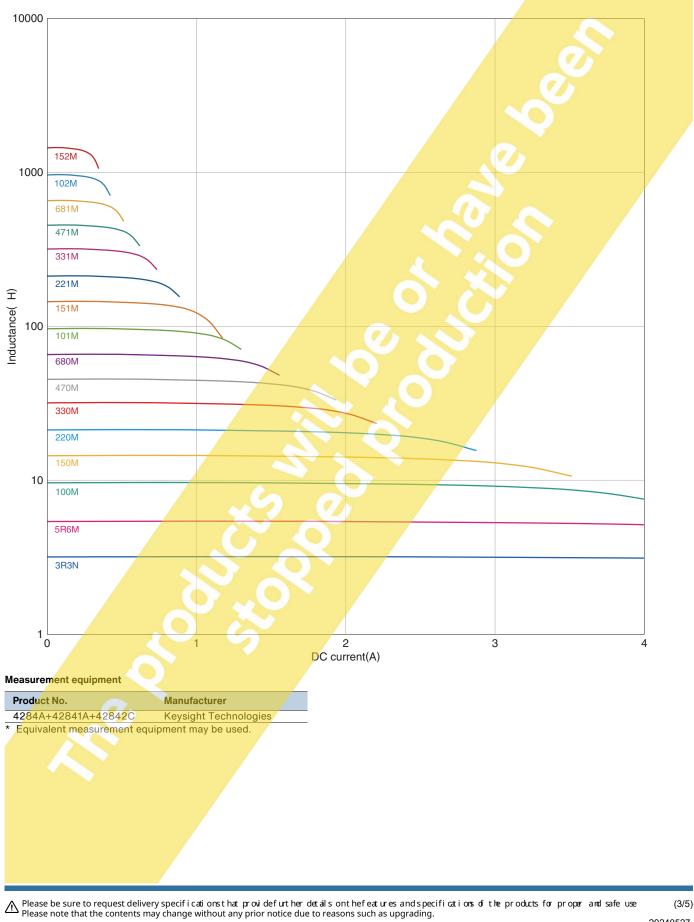
L FREQUENCY CHARACTERISTICS



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SLF10145 type

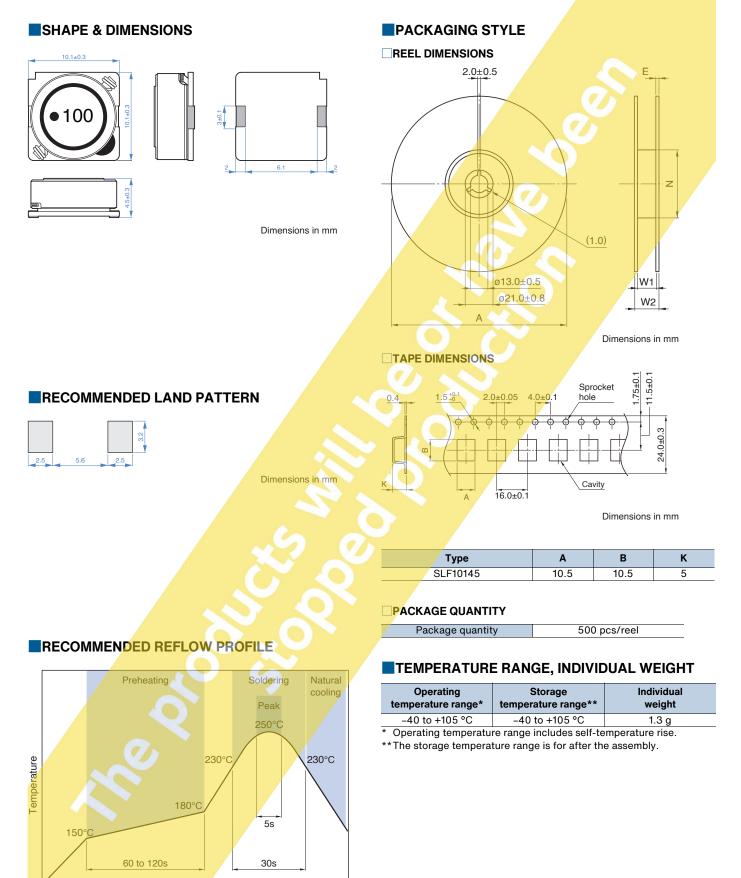
INDUCTANCE VS. DC BIAS CHARACTERISTICS



20240527

⊗TDK

SLF10145 type



Please be sure to request delivery specifications that providefurt her details on the features and specifications of the products for proper and safe use (4/5) Please note that the contents may change without any prior notice due to reasons such as upgrading.

Time

20240527

INDUCTORS

REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products

REMINDERS

OThe storage period is within 6 months. Be sure to follow the storage conditions (temperature: 5 to 30°C, humidity: 10 to 75% RH or less).

If the storage period elapses, the soldering of the terminal electrodes may deteriorate.

- ODo not use or store in locations where there are conditions such as gas corrosion (salt, acid, alkali, etc.).
- OBefore soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and chip temperature does not exceed 150°C.
- Osoldering corrections after mounting should be within the range of the conditions determined in the specifications. If overheated, a short circuit, performance deterioration, or lifespan shortening may occur.
- OWhen embedding a printed circuit board where a chip is mounted to a set, be sure that residual stress is not given to the chip due to the overall distortion of the printed circuit board and partial distortion such as at screw tightening portions.
- Self heating (temperature increase) occurs when the power is turned ON, so the tolerance should be sufficient for the set thermal design.
- Carefully lay out the coil for the circuit board design of the non-magnetic shield type. A malfunction may occur due to magnetic interference.
- Ouse a wrist band to discharge static electricity in your body through the grounding wire.
- ODo not expose the products to magnets or magnetic fields.
- Ob not use for a purpose outside of the contents regulated in the delivery specifications.
- OThe products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/ or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.

If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us.

- (1) Aerospace/aviation equipment
- (2) Transportation equipment (cars, electric trains, ships, etc.)
- (3) Medical equipment
- (4) Power-generation control equipment
- (5) Atomic energy-related equipment
- (6) Seabed equipment

- (7) Transportation control equipment
- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.

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