

VLP Series:

This is a SMD power inductor for power supplies that has an open magnetic path construction based on a low-height drum core (upright). User terminals are contact-formed on the bottom of the drum core using copper (finished with tin plating). It uses crosswise windings and supports large currents.

SLF Series:

SLF series large current lead less inductors have been developed for SMD of power circuits. High performance ferrite core material and low-profile design, ensure superior characteristics and high reliability. **Features:** • Low-profile SMD type • Magnetic shielded type suitable for high density mounting • Provided with embossed carrier tape packaging for automatic mounting machines • Only reflow soldering is applicable **Characteristics:** Sizes SLF6028, SLF7032, and SLF7045: Operating temperature is -20°C ~ 85°C; Size SLF10145: Operating temperature is -20°C ~ 90°C; Size 12565 and 12575: Operating temperature is -20°C ~ 105°C

RLF Series:

This series of inductors is designed for power circuits that require a low profile, low inductance and large current such as those used in notebook PC's. **Features:** With the height at only 4.5mm and retaining the DC current superimposition characteristic, this inductor reduces DC resistance 20% to 50% lower than TDK's existing products. **Applications:** Choke coils in power circuit of notebook computers, LCD, DVD, entertainment electronics, etc. **Specifications:** • Operating Temperature Range: -20°C ~ 105°C • Storage Temperature Range: -40°C ~ 105°C

SPM Series:

Features: • Small footprint, low profile • High power handling capability • Small copper loss • Wide operating temperature range

VLCF Series:

Features: • Miniature size • Generic use for portable DC to DC converter line • High magnetic shield construction should actualize high resolution for EMC protection **Specifications:** • Operating Temperature Range: -40°C ~ 105°C (including self-temperature rise)

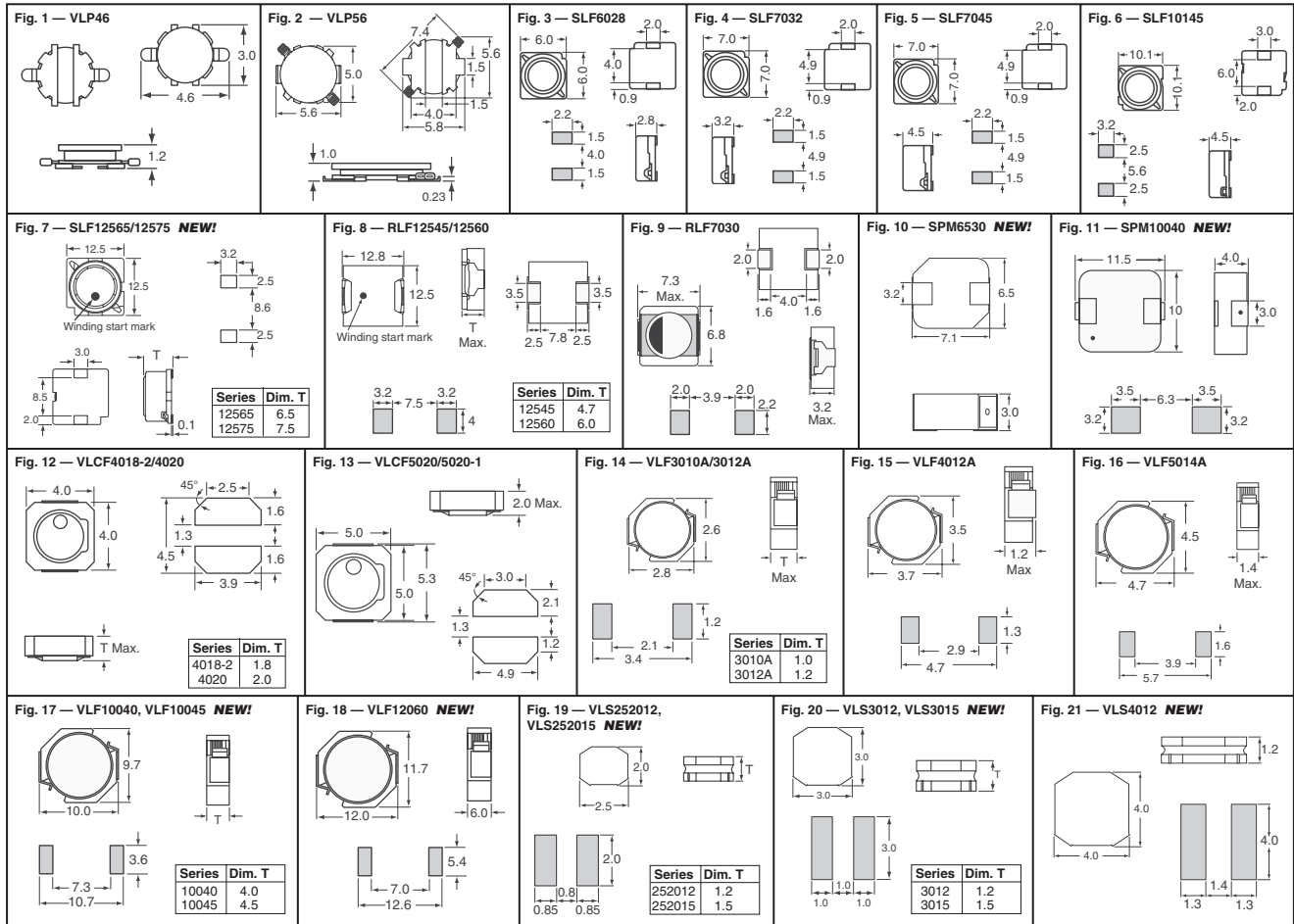
VLF Series:

Features: • These are compact inductors for power line measuring at L2.6 x W2.8mm and 1mm in height, considerably smaller compared to inductors with comparable characteristics • They feature low coil resistance, making them suitable for large currents (e.g., 0.7A at 0.24Ω) • They offer an excellent shielding effect **Applications:** • For mobile phones, hard disk drives and DSCs **Specifications:** • Operating Temperature Range: -40°C ~ 105°C (including self-temperature rise)

VLS Series:

Features: • Miniature size • High magnetic shield construction should actualize high resolution for EMC protection **Applications:** • Generic use for portable DC to DC converter line • DVCs • DSCs • PDAs • LCD displays • Cellular phones • HDDs **Specifications:** • Operating Temperature Range: -40°C ~ 105°C (including self-temperature rise)

Dimensions in mm



Inductance (μH)	Inductance Tolerance	Test Frequency (kHz)	DC Res. Maximum (Ω)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel Pricing 3,000	TDK Part No.
						1	10	100			
Fig. 1 — VLP46 Series											
1.0	±20%	100	0.11	2.30	445-1916-1-ND	1.90	1.76	1.46	445-1916-2-ND	525.60/M	VLP4612T-1R0M1R5
1.8	±20%	100	0.14	1.70	445-1917-1-ND	1.90	1.76	1.46	445-1917-2-ND	525.60/M	VLP4612T-1R8M1R3
2.5	±20%	100	0.17	1.40	445-1919-1-ND	1.90	1.76	1.46	445-1919-2-ND	525.60/M	VLP4612T-2R5M1R1
3.3	±20%	100	0.26	0.90	445-1920-1-ND	1.90	1.76	1.46	445-1920-2-ND	525.60/M	VLP4612T-3R3MR85
4.7	±20%	100	0.28	0.88	445-1921-1-ND	1.90	1.76	1.46	445-1921-2-ND	525.60/M	VLP4612T-4R7MR72
6.8	±20%	100	0.38	0.77	445-1922-1-ND	1.90	1.76	1.46	445-1922-2-ND	525.60/M	VLP4612T-6R8MR67
10.0	±20%	100	0.62	0.59	445-1914-1-ND	1.90	1.76	1.46	445-1914-2-ND	525.60/M	VLP4612T-100MR52
15.0	±20%	100	0.96	0.45	445-1915-1-ND	1.90	1.76	1.46	445-1915-2-ND	525.60/M	VLP4612T-150MR42
22.0	±20%	100	1.42	0.39	445-1918-1-ND	1.90	1.76	1.46	445-1918-2-ND	525.60/M	VLP4612T-220MR34
Fig. 2 — VLP56 Series											
2.7	±20%	100	0.17	1.26	445-1926-1-ND	2.52	2.33	1.94	445-1926-2-ND	698.40/M	VLP5610T-2R7M1R0
4.7	±20%	100	0.24	1.08	445-1929-1-ND	2.52	2.33	1.94	445-1929-2-ND	698.40/M	VLP5610T-4R7MR90
6.8	±20%	100	0.30	0.90	445-1930-1-ND	2.52	2.33	1.94	445-1930-2-ND	698.40/M	VLP5610T-6R8MR80
10.0	±20%	100	0.45	0.72	445-1923-1-ND	2.52	2.33	1.94	445-1923-2-ND	698.40/M	VLP5610T-100MR65
15.0	±20%	100	0.71	0.63	445-1924-1-ND	2.52	2.33	1.94	445-1924-2-ND	698.40/M	VLP5610T-150MR52
22.0	±20%	100	0.96	0.50	445-1925-1-ND	2.52	2.33	1.94	445-1925-2-ND	698.40/M	VLP5610T-220MR45
33.0	±20%	100	1.47	0.41	445-1927-1-ND	2.52	2.33	1.94	445-1927-2-ND	698.40/M	VLP5610T-330MR36
47.0	±20%	100	1.93	0.36	445-1928-1-ND	2.52	2.33	1.94	445-1928-2-ND	698.40/M	VLP5610T-470MR29

† Operating Temperature Range -40°C ~ 125°C

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

More Product Available Online: www.digikey.com

Inductance (µH)	Inductance Tolerance	Test Frequency (kHz)	DC Res. Nominal (Ω)±20%	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each		Digi-Key Part No.	Tape and Reel		TDK Part No.	
						1	100		Qty.	Pricing		
Fig. 3 — SLF6028 Series												
4.7	±20%	100	0.0284	1.6	445-1995-1-ND	2.73	2.28	1.82	445-1995-2-ND	1,000	796.25	SLF6028T-4R7M1R6-PF
6.8	±20%	100	0.0354	1.5	445-1997-1-ND	2.73	2.28	1.82	445-1997-2-ND	1,000	796.25	SLF6028T-6R8M1R5-PF
10	±20%	100	0.0532	1.3	445-1989-1-ND	2.73	2.28	1.82	445-1989-2-ND	1,000	796.25	SLF6028T-100M1R3-PF
15	±20%	100	0.0745	1.0	445-1991-1-ND	2.73	2.28	1.82	445-1991-2-ND	1,000	796.25	SLF6028T-150M1R0-PF
22	±20%	100	0.104	0.77	445-1992-1-ND	2.73	2.28	1.82	445-1992-2-ND	1,000	796.25	SLF6028T-220MR77-PF
33	±20%	100	0.148	0.69	445-1993-1-ND	2.73	2.28	1.82	445-1993-2-ND	1,000	796.25	SLF6028T-330MR69-PF
47	±20%	100	0.21	0.59	445-1994-1-ND	2.73	2.28	1.82	445-1994-2-ND	1,000	796.25	SLF6028T-470MR59-PF
68	±20%	100	0.29	0.5	445-1996-1-ND	2.73	2.28	1.82	445-1996-2-ND	1,000	796.25	SLF6028T-680MR50-PF
100	±20%	100	0.43	0.42	445-1990-1-ND	2.73	2.28	1.82	445-1990-2-ND	1,000	796.25	SLF6028T-101MR42-PF
Fig. 4 — SLF7032 Series												
3.3	±20%	100	0.023	1.9	445-2007-1-ND	1.16	.97	.78	445-2007-2-ND	1,000	337.75	SLF7032T-3R3M1R9-2-PF
4.7	±20%	100	0.03	1.7	445-2010-1-ND	1.16	.97	.78	445-2010-2-ND	1,000	337.75	SLF7032T-4R7M1R7-2-PF
6.8	±20%	100	0.041	1.6	445-2013-1-ND	1.16	.97	.78	445-2013-2-ND	1,000	337.75	SLF7032T-6R8M1R6-2-PF
10	±20%	100	0.053	1.4	445-1998-1-ND	1.16	.97	.78	445-1998-2-ND	1,000	337.75	SLF7032T-100M1R4-2-PF
15	±20%	100	0.075	1.1	445-2001-1-ND	1.16	.97	.78	445-2001-2-ND	1,000	337.75	SLF7032T-150M1R1-2-PF
22	±20%	100	0.11	0.96	445-2003-1-ND	1.16	.97	.78	445-2003-2-ND	1,000	337.75	SLF7032T-220MR96-2-PF
33	±20%	100	0.16	0.75	445-2005-1-ND	1.16	.97	.78	445-2005-2-ND	1,000	337.75	SLF7032T-330MR75-2-PF
47	±20%	100	0.24	0.67	445-2008-1-ND	1.16	.97	.78	445-2008-2-ND	1,000	337.75	SLF7032T-470MR67-2-PF
68	±20%	100	0.31	0.59	445-2011-1-ND	1.16	.97	.78	445-2011-2-ND	1,000	337.75	SLF7032T-680MR59-2-PF
100	±20%	100	0.45	0.45	445-1999-1-ND	1.16	.97	.78	445-1999-2-ND	1,000	337.75	SLF7032T-101MR45-2-PF
150	±20%	100	0.65	0.37	445-2002-1-ND	1.16	.97	.78	445-2002-2-ND	1,000	337.75	SLF7032T-151MR37-2-PF
220	±20%	100	1.05	0.29	445-2004-1-ND	1.16	.97	.78	445-2004-2-ND	1,000	337.75	SLF7032T-221MR29-2-PF
330	±20%	100	1.67	0.22	445-2006-1-ND	1.16	.97	.78	445-2006-2-ND	1,000	337.75	SLF7032T-331MR22-2-PF
470	±20%	100	2.05	0.2	445-2009-1-ND	1.16	.97	.78	445-2009-2-ND	1,000	337.75	SLF7032T-471MR20-2-PF
680	±20%	100	3.15	0.16	445-2012-1-ND	1.16	.97	.78	445-2012-2-ND	1,000	337.75	SLF7032T-681MR16-2-PF
1000	±20%	100	4.78	0.13	445-2000-1-ND	1.16	.97	.78	445-2000-2-ND	1,000	337.75	SLF7032T-102MR13-2-PF
Fig. 5 — SLF7045 Series												
3.3	±20%	100	0.02	2.5	445-2023-1-ND	1.31	1.09	.88	445-2023-2-ND	1,000	381.50	SLF7045T-3R3M2R5-PF
3.3	±20%	100	0.028	2.2	445-3866-1-ND NEW!	1.32	1.10	.88	445-3866-2-ND NEW!	1,000	385.00	SLF7045T-3R3M2R2-PF
4.7	±20%	100	0.03	2	445-2026-1-ND	1.31	1.09	.88	445-2026-2-ND	1,000	381.50	SLF7045T-4R7M2R0-PF
4.7	±20%	100	0.031	2.1	445-3867-1-ND NEW!	1.32	1.10	.88	445-3867-2-ND NEW!	1,000	385.00	SLF7045T-4R7M2R1-H
6.8	±20%	100	0.039	1.7	445-2029-1-ND	1.31	1.09	.88	445-2029-2-ND	1,000	381.50	SLF7045T-6R8M1R7-PF
6.8	±20%	100	0.039	1.9	445-3868-1-ND NEW!	1.32	1.10	.88	445-3868-2-ND NEW!	1,000	385.00	SLF7045T-6R8M1R9-H
10	±20%	100	0.036	1.3	445-2014-1-ND	1.31	1.09	.88	445-2014-2-ND	1,000	381.50	SLF7045T-100M1R3-PF
10	±20%	100	0.047	1.8	445-3869-1-ND NEW!	1.32	1.10	.88	445-3869-2-ND NEW!	1,000	385.00	SLF7045T-100M1R8-H
15	±20%	100	0.052	1.1	445-2017-1-ND	1.31	1.09	.88	445-2017-2-ND	1,000	381.50	SLF7045T-150M1R1-PF
15	±20%	100	0.068	1.46	445-3870-1-ND NEW!	1.32	1.10	.88	445-3870-2-ND NEW!	1,000	385.00	SLF7045T-150M1R5-H
22	±20%	100	0.061	0.9	445-2019-1-ND	1.31	1.09	.88	445-2019-2-ND	1,000	381.50	SLF7045T-220MR90-PF
22	±20%	100	0.082	1.25	445-3871-1-ND NEW!	1.32	1.10	.88	445-3871-2-ND NEW!	1,000	385.00	SLF7045T-220M1R3-H
33	±20%	100	0.096	0.82	445-2021-1-ND	1.31	1.09	.88	445-2021-2-ND	1,000	381.50	SLF7045T-330MR82-PF
33	±20%	100	0.12	1.1	445-3872-1-ND NEW!	1.32	1.10	.88	445-3872-2-ND NEW!	1,000	385.00	SLF7045T-330M1R1-H
47	±20%	100	0.125	0.75	445-2024-1-ND	1.31	1.09	.88	445-2024-2-ND	1,000	381.50	SLF7045T-470MR75-PF
47	±20%	100	0.18	0.9	445-3884-1-ND NEW!	1.32	1.10	.88	445-3884-2-ND NEW!	1,000	385.00	SLF7045T-470MR90-H
68	±20%	100	0.175	0.6	445-2027-1-ND	1.31	1.09	.88	445-2027-2-ND	1,000	381.50	SLF7045T-680MR60-PF
68	±20%	100	0.27	0.75	445-3873-1-ND NEW!	1.32	1.10	.88	445-3873-2-ND NEW!	1,000	385.00	SLF7045T-680MR75-H
100	±20%	100	0.25	0.5	445-2015-1-ND	1.31	1.09	.88	445-2015-2-ND	1,000	381.50	SLF7045T-101MR50-PF
100	±20%	100	0.39	0.6	445-3885-1-ND NEW!	1.32	1.10	.88	445-3885-2-ND NEW!	1,000	385.00	SLF7045T-101MR60-H
150	±20%	100	0.34	0.4	445-2018-1-ND	1.31	1.09	.88	445-2018-2-ND	1,000	381.50	SLF7045T-151MR40-PF
150	±20%	100	0.55	0.5	445-3874-1-ND NEW!	1.32	1.10	.88	445-3874-2-ND NEW!	1,000	385.00	SLF7045T-151MR50-H
220	±20%	100	0.52	0.33	445-2020-1-ND	1.31	1.09	.88	445-2020-2-ND	1,000	381.50	SLF7045T-221MR33-PF
220	±20%	100	0.83	0.4	445-3875-1-ND NEW!	1.32	1.10	.88	445-3875-2-ND NEW!	1,000	385.00	SLF7045T-221MR40-H
330	±20%	100	0.74	0.25	445-2022-1-ND	1.31	1.09	.88	445-2022-2-ND	1,000	381.50	SLF7045T-331MR25-PF
330	±20%	100	1.15	0.35	445-3876-1-ND NEW!	1.32	1.10	.88	445-3876-2-ND NEW!	1,000	385.00	SLF7045T-331MR35-H
470	±20%	100	1.05	0.22	445-2025-1-ND	1.31	1.09	.88	445-2025-2-ND	1,000	381.50	SLF7045T-471MR22-PF
680	±20%	100	1.48	0.2	445-2028-1-ND	1.31	1.09	.88	445-2028-2-ND	1,000	381.50	SLF7045T-681MR20-PF
1000	±20%	100	2.28	0.14	445-2016-1-ND	1.31	1.09	.88	445-2016-2-ND	1,000	381.50	SLF7045T-102MR14-PF
Fig. 6 — SLF10145 Series												
3.3	±30%	1	0.0161	3.7	445-3834-1-ND NEW!	1.80	1.50	1.20	445-3834-2-ND NEW!	500	262.50	SLF10145T-3R3N3R7-H
5.6	±20%	1	0.0220	3.2	445-3837-1-ND NEW!	1.80	1.50	1.20	445-3837-2-ND NEW!	500	262.50	SLF10145T-5R6M3R2-H
10	±20%	1	0.0364	2.5	445-1975-1-ND	1.76	1.47	1.18	445-1975-2-ND	500	256.38	SLF10145T-100M2R5-PF
10	±20%	1	0.034	2.5	445-3824-1-ND NEW!	1.80	1.50	1.20	445-3824-2-ND NEW!	500	262.50	SLF10145T-100M2R5-H
15	±20%	1	0.0472	2.2	445-1978-1-ND	1.76	1.47	1.18	445-1978-2-ND	500	256.38	SLF10145T-150M2R2-PF
15	±20%	1	0.0472	2.2	445-3827-1-ND NEW!	1.80	1.50	1.20	445-3827-2-ND NEW!	500	262.50	SLF10145T-150M2R2-H
22	±20%	1	0.0591	1.9	445-1981-1-ND	1.76	1.47	1.18	445-1981-2-ND	500	256.38	SLF10145T-220M1R9-PF
22	±20%	1	0.0591	1.9	445-3830-1-ND NEW!	1.80	1.50	1.20	445-3830-2-ND NEW!	500	262.50	SLF10145T-220M1R9-H
33	±20%	1	0.0815	1.6	445-1983-1-ND	1.76	1.47	1.18	445-1983-2-ND	500	256.38	SLF10145T-330M1R6-PF
33	±20%	1	0.0815	1.6	445-3832-1-ND NEW!	1.80	1.50	1.20	445-3832-2-ND NEW!	500	262.50	SLF10145T-330M1R6-H
47	±20%	1	0.1	1.4	445-1985-1-ND	1.76	1.47	1.18	445-1985-2-ND	500	256.38	SLF10145T-470M1R4-PF
47	±20%	1	0.1	1.4	445-3835-1-ND NEW!	1.80	1.50	1.20	445-3835-2-ND NEW!	500	262.50	SLF10145T-470M1R4-H
68	±20%	1	0.14	1.2	445-1987-1-ND	1.76	1.47	1.18	445-1987-2-ND	500	256.38	SLF10145T-680M1R2-PF
68	±20%	1	0.14	1.2	445-3838-1-ND NEW!	1.80	1.50	1.20	445-3838-2-ND NEW!	500	262.50	SLF10145T-680M1R2-H
100	±20%	1	0.2	1.0	445-1976-1-ND	1.76	1.47	1.18	445-1976-2-ND	500	256.38	SLF10145T-101M1R0-PF
100	±20%	1	0.2	1.0	445-3825-1-ND NEW!	1.80	1.50	1.20	445-3825-2-ND NEW!	500	262.50	SLF10145T-101M1R0-H
150	±20%	1	0.35	0.79	445-1979-1-ND	1.76	1.47	1.18	445-1979-2-ND	500	256.38	SLF10145T-151MR79-PF
150	±20%	1	0.35	0.79	445-3828-1-ND 							

Inductance (µH)	Inductance Tolerance	Test Frequency (kHz)	DC Res. Nominal (Ω) ±20%	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		TDK Part No.
						1	10	100		Qty.	Pricing	
NEW! Fig. 7 — SLF12575T Series NEW!												
1.2	±30%	1	0.0051	8.2	445-3855-1-ND	3.30	2.75	2.20	445-3855-2-ND	500	481.50	SLF12575T-1R2N8R2-H
2.7	±30%	1	0.0074	7	445-3858-1-ND	3.30	2.75	2.20	445-3858-2-ND	500	481.50	SLF12575T-2R7N7R0-H
3.9	±30%	1	0.0104	6.7	445-3861-1-ND	3.30	2.75	2.20	445-3861-2-ND	500	481.50	SLF12575T-3R9N6R7-H
5.6	±30%	1	0.0116	6.3	445-3863-1-ND	3.30	2.75	2.20	445-3863-2-ND	500	481.50	SLF12575T-5R6N6R3-H
6.8	±30%	1	0.0131	5.9	445-3865-1-ND	3.30	2.75	2.20	445-3865-2-ND	500	481.50	SLF12575T-6R8N5R9-H
10	±20%	1	0.0156	5.4	445-3851-1-ND	3.30	2.75	2.20	445-3851-2-ND	500	481.50	SLF12575T-100M5R4-H
15	±20%	1	0.0184	4.7	445-3853-1-ND	3.30	2.75	2.20	445-3853-2-ND	500	481.50	SLF12575T-150M4R7-H
22	±20%	1	0.0263	4	445-3856-1-ND	3.30	2.75	2.20	445-3856-2-ND	500	481.50	SLF12575T-220M4R0-H
33	±20%	1	0.0395	3.2	445-3859-1-ND	3.30	2.75	2.20	445-3859-2-ND	500	481.50	SLF12575T-330M3R2-H
47	±20%	1	0.0528	2.7	445-3862-1-ND	3.30	2.75	2.20	445-3862-2-ND	500	481.50	SLF12575T-470M2R7-H
68	±20%	1	0.0778	2	445-3864-1-ND	3.30	2.75	2.20	445-3864-2-ND	500	481.50	SLF12575T-680M2R0-H
100	±20%	1	0.125	1.9	445-3852-1-ND	3.30	2.75	2.20	445-3852-2-ND	500	481.50	SLF12575T-101M1R9-H
150	±20%	1	0.175	1.5	445-3854-1-ND	3.30	2.75	2.20	445-3854-2-ND	500	481.50	SLF12575T-151M1R5-H
220	±20%	1	0.258	1.3	445-3857-1-ND	3.30	2.75	2.20	445-3857-2-ND	500	481.50	SLF12575T-221M1R3-H
330	±20%	1	0.34	1	445-3860-1-ND	3.30	2.75	2.20	445-3860-2-ND	500	481.50	SLF12575T-331M1R0-H
Fig. 8 — RLF12545 Series												
1.9	±30%	100	0.0036	13	445-2948-1-ND	3.96	3.30	2.64	445-2948-2-ND	500	577.50	RLF12545T-1R9N100-PF
2.7	±30%	100	0.0045	12	445-2949-1-ND	3.96	3.30	2.64	445-2949-2-ND	500	577.50	RLF12545T-2R7N8R7-PF
4.2	±30%	100	0.0074	9.5	445-2950-1-ND	3.96	3.30	2.64	445-2950-2-ND	500	577.50	RLF12545T-4R2N6R5-PF
5.6	±30%	100	0.0085	8	445-2951-1-ND	3.96	3.30	2.64	445-2951-2-ND	500	577.50	RLF12545T-5R6N6R1-PF
7.8	±30%	100	0.0102	7	445-2952-1-ND	3.96	3.30	2.64	445-2952-2-ND	500	577.50	RLF12545T-7R8N5R4-PF
10	±20%	100	0.0124	6	445-2947-1-ND	3.96	3.30	2.64	445-2947-2-ND	500	577.50	RLF12545T-100M5R1-PF
Fig. 8 — RLF12560 Series												
1.0	±30%	100	0.0028	18.5	445-2954-1-ND	4.20	3.50	2.80	445-2954-2-ND	500	612.50	RLF12560T-1R0N140
1.9	±30%	100	0.0036	15.6	445-2955-1-ND	4.20	3.50	2.80	445-2955-2-ND	500	612.50	RLF12560T-1R9N120
2.7	±30%	100	0.0045	14.4	445-2956-1-ND	4.20	3.50	2.80	445-2956-2-ND	500	612.50	RLF12560T-2R7N110
4.2	±30%	100	0.0074	10.2	445-2957-1-ND	4.20	3.50	2.80	445-2957-2-ND	500	612.50	RLF12560T-4R2N100
5.6	±30%	100	0.0085	9.7	445-2958-1-ND	4.20	3.50	2.80	445-2958-2-ND	500	612.50	RLF12560T-5R6N9R2
7.8	±30%	100	0.0102	8.2	445-2959-1-ND	4.20	3.50	2.80	445-2959-2-ND	500	612.50	RLF12560T-7R8N8R2
10	±20%	100	0.0124	7.5	445-2953-1-ND	4.20	3.50	2.80	445-2953-2-ND	500	612.50	RLF12560T-100M7R5
Fig. 9 — RLF7030 Series												
1.0	±30%	100	0.0073	7.9	445-2960-1-ND	2.88	2.40	1.92	445-2960-2-ND	1,000	840.00	RLF7030T-1R0N6R4
1.5	±30%	100	0.0080	6.5	445-2961-1-ND	2.88	2.40	1.92	445-2961-2-ND	1,000	840.00	RLF7030T-1R5N6R1
2.2	±20%	100	0.0100	5.5	445-2962-1-ND	2.88	2.40	1.92	445-2962-2-ND	1,000	840.00	RLF7030T-2R2M5R4
3.3	±20%	100	0.0174	4.4	445-2963-1-ND	2.88	2.40	1.92	445-2963-2-ND	1,000	840.00	RLF7030T-3R3M4R1
4.7	±20%	100	0.0260	3.5	445-2964-1-ND	2.88	2.40	1.92	445-2964-2-ND	1,000	840.00	RLF7030T-4R7M3R4
6.8	±20%	100	0.0373	3.0	445-2965-1-ND	2.88	2.40	1.92	445-2965-2-ND	1,000	840.00	RLF7030T-6R8M2R8

† Operating Temperature Range -40°C – 125°C

Inductance (µH)	Inductance Tolerance	Test Frequency (kHz)	DC Res. Nominal (Ω)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		TDK Part No.
						1	10	100		Qty.	Pricing	
NEW! Fig. 10 — SPM6530 Series NEW!												
0.25	±20%	100	2.1	23	445-3877-1-ND	2.10	1.75	1.40	445-3877-2-ND	1,000	613.00	SPM6530T-R25M230
0.47	±20%	100	3.3	17	445-3878-1-ND	2.10	1.75	1.40	445-3878-2-ND	1,000	613.00	SPM6530T-R47M170
0.68	±20%	100	4.9	14	445-3879-1-ND	2.10	1.75	1.40	445-3879-2-ND	1,000	613.00	SPM6530T-R68M140
1.0	±20%	100	7.1	12	445-3880-1-ND	2.10	1.75	1.40	445-3880-2-ND	1,000	613.00	SPM6530T-1R0M120
1.5	±20%	100	9.7	10	445-3881-1-ND	2.10	1.75	1.40	445-3881-2-ND	1,000	613.00	SPM6530T-1R5M100
NEW! Fig. 11 — SPM10040 Series NEW!												
0.36	±20%	300	0.0011	17	445-3603-1-ND	1.58	1.40	1.23	445-3603-2-ND	500	306.50	SPM10040T-R36M170
0.56	±20%	300	0.0017	15	445-3604-1-ND	1.58	1.40	1.23	445-3604-2-ND	500	306.50	SPM10040T-R56M150
Fig. 12 — VLCF4018-2 Series												
1.6	±30%	100	0.044	1.72	445-3171-1-ND	.77	.68	.60	445-3171-2-ND	1,000	298.00	VLCF4018T-1R6N1R7-2
2.2	±30%	100	0.052	1.44	445-3172-1-ND	.77	.68	.60	445-3172-2-ND	1,000	298.00	VLCF4018T-2R2N1R4-2
3.3	±30%	100	0.069	1.26	445-3173-1-ND	.77	.68	.60	445-3173-2-ND	1,000	298.00	VLCF4018T-3R3N1R2-2
4.7	±30%	100	0.088	1.07	445-3174-1-ND	.77	.68	.60	445-3174-2-ND	1,000	298.00	VLCF4018T-4R7N1R0-2
6.8	±30%	100	0.108	0.94	445-3175-1-ND	.77	.68	.60	445-3175-2-ND	1,000	298.00	VLCF4018T-6R8N9R4-2
10	±20%	100	0.163	0.74	445-3176-1-ND	.77	.68	.60	445-3176-2-ND	1,000	298.00	VLCF4018T-100MR74-2
15	±20%	100	0.233	0.59	445-3177-1-ND	.77	.68	.60	445-3177-2-ND	1,000	298.00	VLCF4018T-150MR59-2
22	±20%	100	0.321	0.49	445-3178-1-ND	.77	.68	.60	445-3178-2-ND	1,000	298.00	VLCF4018T-220MR49-2
33	±20%	100	0.469	0.42	445-3179-1-ND	.77	.68	.60	445-3179-2-ND	1,000	298.00	VLCF4018T-330MR42-2
47	±20%	100	0.661	0.34	445-3180-1-ND	.77	.68	.60	445-3180-2-ND	1,000	298.00	VLCF4018T-470MR34-2
Fig. 12 — VLCF4020 Series												
1.8	±30%	100	0.046	1.97	445-3181-1-ND	.77	.68	.60	445-3181-2-ND	1,000	298.00	VLCF4020T-1R8N1R9
2.2	±30%	100	0.054	1.72	445-3182-1-ND	.77	.68	.60	445-3182-2-ND	1,000	298.00	VLCF4020T-2R2N1R7
3.3	±30%	100	0.071	1.52	445-3183-1-ND	.77	.68	.60	445-3183-2-ND	1,000	298.00	VLCF4020T-3R3N1R5
4.7	±30%	100	0.089	1.24	445-3184-1-ND	.77	.68	.60	445-3184-2-ND	1,000	298.00	VLCF4020T-4R7N1R2
6.8	±30%	100	0.119	1.05	445-3185-1-ND	.77	.68	.60	445-3185-2-ND	1,000	298.00	VLCF4020T-6R8N1R0
10	±20%	100	0.168	0.85	445-3186-1-ND	.77	.68	.60	445-3186-2-ND	1,000	298.00	VLCF4020T-100MR85
15	±20%	100	0.275	0.68	445-3187-1-ND	.77	.68	.60	445-3187-2-ND	1,000	298.00	VLCF4020T-150MR68
22	±20%	100	0.391	0.56	445-3188-1-ND	.77	.68	.60	445-3188-2-ND	1,000	298.00	VLCF4020T-220MR56
27	±20%	100	0.451	0.48	445-3189-1-ND	.77	.68	.60	445-3189-2-ND	1,000	298.00	VLCF4020T-270MR48
33	±20%	100	0.571	0.47	445-3190-1-ND	.77	.68	.60	445-3190-2-ND	1,000	298.00	VLCF4020T-330MR47
47	±20%	100	0.849	0.39	445-3191-1-ND	.77	.68	.60	445-3191-2-ND	1,000	298.00	VLCF4020T-470MR39
100	±20%	100	1.308	0.26	445-3192-1-ND	.77	.68	.60	445-3192-2-ND	1,000	298.00	VLCF4020T-101MR26
Fig. 13 — VLCF5020 Series												
1.8	±30%	100	0.049	2.07	445-3193-1-ND	.81	.72	.63	445-3193-2-ND	500	157.50	VLCF5020T-1R8N2R0
2.7	±30%	100	0.058	1.76	445-3194-1-ND	.81	.72	.63	445-3194-2-ND	500	157.50	VLCF5020T-2R7N1R7
3.3	±30%	100	0.069	1.6	445-3195-1-ND	.81	.72	.63	445-3195-2-ND	500	157.50	VLCF5020T-3R3N1R6
4.7	±30%	100	0.079	1.4	445-3196-1-ND	.81	.72	.63	445-3196-2-ND	500	157.50	VLCF5020T-4R7N1R4
6.8	±30%	100	0.102	1.11	445-3197-1-ND	.81	.72	.63	445-3197-2-ND	500	157.50	VLCF5020T-6R8N1R1
10	±20%	100	0.151	0.87	445-3198-1-ND	.81	.72	.63	445-3198-2-ND	500	157.50	VLCF5020T-100MR87
15	±20%	100	0.214	0.71	445-3199-1-ND	.81	.72	.63	445-3199-2-ND	500	157.50	VLCF5020T-150MR71
22	±20%	100	0.311	0.58	445-3200-1-ND	.81	.72	.63	445-3200-2-ND	500	157.50	VLCF5020T-220MR58
33	±20%	100	0.435	0.48	445-3201-1-ND	.81	.72	.63	445-3201-2-ND	500	157.50	VLCF5020T-330MR48
47	±20%	100	0.623	0.40	445-3202-1-ND	.81	.72	.63	445-3202-2-ND	500	157.50	VLCF5020T-470MR40
100	±20%	100	1.375	0.27	445-3203-1-ND	.81	.72	.63	445-3203-2-ND	500	157.50	VLCF5020T-101MR27
Fig. 13 — VLCF5020-1 Series												
2.2	±30%	100	0.058	2.62	445-3204-1-ND	.81	.72	.63	445-3204-2-ND	500	157.50	VLCF5020T-2R2N2R6-1
2.7	±30%	100	0.069	2.28	445-3205-1-ND	.81	.72	.63	445-3205-2-ND	500	157.50	VLCF5020T-2R7N2R2-1
3.3												

Inductance (µH)	Inductance Tolerance	Test Frequency (kHz)	DC Res. Nominal (Ω)	Rated Current (A)	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Reel		TDK Part No.
						1	100	1000		Qty.	Pricing	
6.8	±30%	100	0.138	1.39	445-3208-1-ND	.81	.72	.63	445-3208-2-ND	500	157.50	VLCF5020T-6R8N1R3-1
10	±20%	100	0.198	1.13	445-3209-1-ND	.81	.72	.63	445-3209-2-ND	500	157.50	VLCF5020T-100M1R1-1
15	±20%	100	0.292	0.90	445-3210-1-ND	.81	.72	.63	445-3210-2-ND	500	157.50	VLCF5020T-150MR90-1
22	±20%	100	0.413	0.75	445-3211-1-ND	.81	.72	.63	445-3211-2-ND	500	157.50	VLCF5020T-220MR75-1
33	±20%	100	0.597	1.62	445-3212-1-ND	.81	.72	.63	445-3212-2-ND	500	157.50	VLCF5020T-330MR62-1
47	±20%	100	0.875	0.51	445-3213-1-ND	.81	.72	.63	445-3213-2-ND	500	157.50	VLCF5020T-470MR51-1
Fig. 14 — VLF3010A Series												
1.5	±30%	100	0.068	1.2	445-3214-1-ND	.90	.80	.70	445-3214-2-ND	2,000	350.00/M	VLF3010AT-1R5N1R2
2.2	±20%	100	0.10	1.0	445-3215-1-ND	.90	.80	.70	445-3215-2-ND	2,000	350.00/M	VLF3010AT-2R2M1R0
3.3	±20%	100	0.15	0.87	445-3216-1-ND	.90	.80	.70	445-3216-2-ND	2,000	350.00/M	VLF3010AT-3R3MR87
4.7	±20%	100	0.24	0.70	445-3217-1-ND	.90	.80	.70	445-3217-2-ND	2,000	350.00/M	VLF3010AT-4R7MR70
6.8	±20%	100	0.34	0.61	445-3218-1-ND	.90	.80	.70	445-3218-2-ND	2,000	350.00/M	VLF3010AT-6R8MR61
10	±20%	100	0.58	0.49	445-3219-1-ND	.90	.80	.70	445-3219-2-ND	2,000	350.00/M	VLF3010AT-100MR49
15	±20%	100	0.75	0.40	445-3220-1-ND	.90	.80	.70	445-3220-2-ND	2,000	350.00/M	VLF3010AT-150MR40
22	±20%	100	1.3	0.33	445-3221-1-ND	.90	.80	.70	445-3221-2-ND	2,000	350.00/M	VLF3010AT-220MR33
Fig. 14 — VLF3012A Series												
1.5	±30%	100	0.059	1.2	445-3222-1-ND	.86	.76	.67	445-3222-2-ND	2,000	333.00/M	VLF3012AT-1R5N1R2
2.2	±20%	100	0.088	1.0	445-3223-1-ND	.86	.76	.67	445-3223-2-ND	2,000	333.00/M	VLF3012AT-2R2M1R0
3.3	±20%	100	0.11	0.87	445-3224-1-ND	.86	.76	.67	445-3224-2-ND	2,000	333.00/M	VLF3012AT-3R3MR87
4.7	±20%	100	0.16	0.74	445-3225-1-ND	.86	.76	.67	445-3225-2-ND	2,000	333.00/M	VLF3012AT-4R7MR74
6.8	±20%	100	0.23	0.59	445-3226-1-ND	.86	.76	.67	445-3226-2-ND	2,000	333.00/M	VLF3012AT-6R8MR59
10	±20%	100	0.36	0.49	445-3227-1-ND	.86	.76	.67	445-3227-2-ND	2,000	333.00/M	VLF3012AT-100MR49
15	±20%	100	0.54	0.41	445-3228-1-ND	.86	.76	.67	445-3228-2-ND	2,000	333.00/M	VLF3012AT-150MR41
22	±20%	100	0.66	0.33	445-3229-1-ND	.86	.76	.67	445-3229-2-ND	2,000	333.00/M	VLF3012AT-220MR33
33	±20%	100	1.1	0.27	445-3230-1-ND	.86	.76	.67	445-3230-2-ND	2,000	333.00/M	VLF3012AT-330MR27
47	±20%	100	1.9	0.22	445-3231-1-ND	.86	.76	.67	445-3231-2-ND	2,000	333.00/M	VLF3012AT-470MR22
Fig. 15 — VLF4012A Series												
1.5	±20%	100	0.069	1.8	445-3232-1-ND	.81	.72	.63	445-3232-2-ND	1,000	315.00	VLF4012AT-1R5M1R6
2.2	±20%	100	0.076	1.5	445-3233-1-ND	.81	.72	.63	445-3233-2-ND	1,000	315.00	VLF4012AT-2R2M1R5
3.3	±20%	100	0.1	1.3	445-3234-1-ND	.81	.72	.63	445-3234-2-ND	1,000	315.00	VLF4012AT-3R3M1R3
4.7	±20%	100	0.14	1.1	445-3235-1-ND	.81	.72	.63	445-3235-2-ND	1,000	315.00	VLF4012AT-4R7M1R1
6.8	±20%	100	0.2	0.96	445-3236-1-ND	.81	.72	.63	445-3236-2-ND	1,000	315.00	VLF4012AT-6R8MR96
10	±20%	100	0.3	0.80	445-3237-1-ND	.81	.72	.63	445-3237-2-ND	1,000	315.00	VLF4012AT-100MR79
15	±20%	100	0.46	0.63	445-3238-1-ND	.81	.72	.63	445-3238-2-ND	1,000	315.00	VLF4012AT-150MR63
22	±20%	100	0.71	0.52	445-3239-1-ND	.81	.72	.63	445-3239-2-ND	1,000	315.00	VLF4012AT-220MR51
33	±20%	100	1.2	0.44	445-3240-1-ND	.81	.72	.63	445-3240-2-ND	1,000	315.00	VLF4012AT-330MR39
47	±20%	100	2.0	0.36	445-3241-1-ND	.81	.72	.63	445-3241-2-ND	1,000	315.00	VLF4012AT-470MR30
Fig. 16 — VLF5014A Series												
4.7	±20%	100	0.12	1.7	445-3242-1-ND	1.26	1.12	.98	445-3242-2-ND	1,000	490.00	VLF5014AT-4R7M1R1
6.8	±20%	100	0.16	1.4	445-3243-1-ND	1.26	1.12	.98	445-3243-2-ND	1,000	490.00	VLF5014AT-6R8MR99
10	±20%	100	0.19	1.1	445-3244-1-ND	1.26	1.12	.98	445-3244-2-ND	1,000	490.00	VLF5014AT-100MR92
15	±20%	100	0.28	0.97	445-3245-1-ND	1.26	1.12	.98	445-3245-2-ND	1,000	490.00	VLF5014AT-150MR76
NEW! Fig. 17 — VLF10040 Series NEW!												
1.0	±30%	100	0.0043	9.7	445-3556-1-ND	2.25	2.00	1.75	445-3556-2-ND	500	437.50	VLF10040T-1R0N9R7
1.5	±30%	100	0.0051	8.9	445-3557-1-ND	2.25	2.00	1.75	445-3557-2-ND	500	437.50	VLF10040T-1R5N8R9
2.2	±30%	100	0.0079	7.1	445-3558-1-ND	2.25	2.00	1.75	445-3558-2-ND	500	437.50	VLF10040T-2R2N7R1
3.3	±30%	100	0.0105	6.2	445-3559-1-ND	2.25	2.00	1.75	445-3559-2-ND	500	437.50	VLF10040T-3R3N6R2
4.7	±30%	100	0.0127	5.4	445-3560-1-ND	2.25	2.00	1.75	445-3560-2-ND	500	437.50	VLF10040T-4R7N5R4
6.8	±30%	100	0.0198	4.5	445-3561-1-ND	2.25	2.00	1.75	445-3561-2-ND	500	437.50	VLF10040T-6R8N4R5
10	±20%	100	0.028	3.8	445-3562-1-ND	2.25	2.00	1.75	445-3562-2-ND	500	437.50	VLF10040T-100M3R8
15	±20%	100	0.036	3.1	445-3563-1-ND	2.25	2.00	1.75	445-3563-2-ND	500	437.50	VLF10040T-150M3R1
22	±20%	100	0.05	2.5	445-3564-1-ND	2.25	2.00	1.75	445-3564-2-ND	500	437.50	VLF10040T-220M2R5
33	±20%	100	0.08	2.1	445-3565-1-ND	2.25	2.00	1.75	445-3565-2-ND	500	437.50	VLF10040T-330M2R1
47	±20%	100	0.108	1.7	445-3566-1-ND	2.25	2.00	1.75	445-3566-2-ND	500	437.50	VLF10040T-470M1R7
68	±20%	100	0.155	1.4	445-3567-1-ND	2.25	2.00	1.75	445-3567-2-ND	500	437.50	VLF10040T-680M1R4
100	±20%	100	0.216	1.2	445-3568-1-ND	2.25	2.00	1.75	445-3568-2-ND	500	437.50	VLF10040T-101M1R2
150	±20%	100	0.343	0.99	445-3569-1-ND	2.25	2.00	1.75	445-3569-2-ND	500	437.50	VLF10040T-151MR99
220	±20%	100	0.467	0.81	445-3570-1-ND	2.25	2.00	1.75	445-3570-2-ND	500	437.50	VLF10040T-151MR99
330	±20%	100	0.757	0.67	445-3571-1-ND	2.25	2.00	1.75	445-3571-2-ND	500	437.50	VLF10040T-331MR67
NEW! Fig. 17 — VLF10045 Series NEW!												
1.0	±30%	100	0.0046	10	445-3572-1-ND	2.25	2.00	1.75	445-3572-2-ND	500	437.50	VLF10045T-1R0N100
1.5	±30%	100	0.0057	9	445-3573-1-ND	2.48	2.20	1.93	445-3573-2-ND	500	481.50	VLF10045T-1R5N9R0
2.2	±30%	100	0.0085	7.4	445-3574-1-ND	2.48	2.20	1.93	445-3574-2-ND	500	481.50	VLF10045T-2R2N7R4
3.3	±30%	100	0.0097	6.9	445-3575-1-ND	2.48	2.20	1.93	445-3575-2-ND	500	481.50	VLF10045T-3R3N6R9
4.7	±30%	100	0.0125	6.1	445-3576-1-ND	2.48	2.20	1.93	445-3576-2-ND	500	481.50	VLF10045T-4R7N6R1
6.8	±30%	100	0.0178	5.1	445-3577-1-ND	2.48	2.20	1.93	445-3577-2-ND	500	481.50	VLF10045T-6R8N5R1
10	±20%	100	0.025	4.3	445-3578-1-ND	2.48	2.20	1.93	445-3578-2-ND	500	481.50	VLF10045T-100M4R3
15	±20%	100	0.0373	3.5	445-3579-1-ND	2.48	2.20	1.93	445-3579-2-ND	500	481.50	VLF10045T-150M3R5
22	±20%	100	0.0495	2.8	445-3580-1-ND	2.48	2.20	1.93	445-3580-2-ND	500	481.50	VLF10045T-220M2R8
33	±20%	100	0.0701	2.3	445-3581-1-ND	2.48	2.20	1.93	445-3581-2-ND	500	481.50	VLF10045T-330M2R3
47	±20%	100	0.0976	1.9	445-3582-1-ND	2.48	2.20	1.93	445-3582-2-ND	500	481.50	VLF10045T-470M1R9
68	±20%	100	0.158	1.6	445-3583-1-ND	2.48	2.20	1.93	445-3583-2-ND	500	481.50	VLF10045T-680M1R6
100	±20%	100	0.217	1.3	445-3584-1-ND	2.48	2.20	1.93	445-3584-2-ND	500	481.50	VLF10045T-101M1R3
150	±20%	100	0.306	1.1	445-3585-1-ND	2.48	2.20	1.93	445-3585-2-ND	500	481.50	VLF10045T-151M1R1
220	±20%	100	0.434	0.9	445-3586-1-ND	2.48	2.20	1.93	445-3586-2-ND	500	481.50	VLF10045T-221MR90
330	±20%	100	0.721	0.7	445-3587-1-ND	2.48	2.20	1.93	445-3587-2-ND	500	481.50	VLF10045T-331MR70
NEW! Fig. 18 — VLF12060 Series NEW!												
1.8	±30%	100	0.0036	12	445-3588-1-ND	2.93	2.60	2.28	445-3588-2-ND	500	569.00	VLF12060T-1R8N120
2.7	±30%	100	0.0053	10	445-3589-1-ND	2.93	2.60	2.28	445-3589-2-ND	500	569.00	VLF12060T-2R7N100
3.9	±30%	100	0.0070	9	445-3590-1-ND	2.93	2.60	2.28	445-3590-2-ND	500	569.00	VLF12060T-3R9N9R0
4.7	±30%	100	0.0096	7.7	445-3591-1-ND	2.93	2					