Coating Inductors SPN/SPH Series

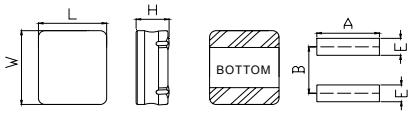
■Feature

1. Small and low profile inductor
2. It corresponds to high current
3. Simple and original magnetic shield structure

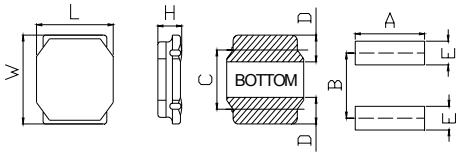
■Application

For small DC/DC converter (HDD, DVC, DSC, LCD display, notebook, tablet, Bluetooth earphone, cellular phones)

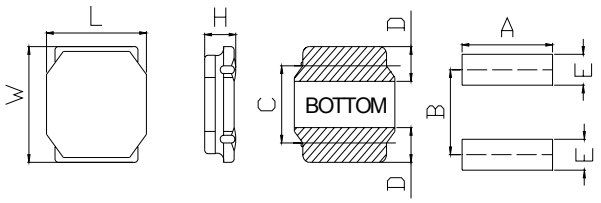
■Standard External Dimensions



Series	L (mm)	W (mm)	H (mm)	Recommended Land Patterns			Package	
				A (mm)	B (mm)	E (mm)	Reel	Amount(pcs)
SPN2016□□□□PSA	2.0±0.2	1.6±0.2	1.0max	1.7	2.3	0.6	7”	2,000
SPN2520□□□□PSA	2.5±0.2	2.0±0.2	1.0max	2.1	0.8	0.85	7"	2,000
SPH2520□□□□PSA	2.5±0.3	2.0±0.3	1.0±0.1	2.1	0.8	0.85	7"	2,000
SPN2520□□□□PSC	2.5±0.2	2.0±0.2	1.2max	2.1	0.8	0.85	7"	2,000
SPH2520□□□□PSC	2.5±0.3	2.0±0.3	1.2±0.1	2.1	0.8	0.85	7"	2,000



Seri	L (mm)	W (mm)	H (mm)	C (mm)	D (mm)	Recommended Land Patterns			Package	
						A (mm)	B (mm)	E (mm)	Reel	Amount(pcs)
SPN2020□□□□PTC	2.0±0.1	2.0±0.1	1.2max	1.25±0.2	0.5±0.2	2.0	1.35	0.65	7”	2,500
SPH2020□□□□PCC	2.0±0.1	2.0±0.1	1.2max	1.25±0.2	0.5±0.2	2.0	1.35	0.65	7”	2,500
SPH2020□□□□PTA	2.0±0.1	2.0±0.1	1.0max	1.25±0.2	0.5±0.2	2.0	1.35	0.65	7”	2,500
SPH2020□□□□PTC	2.0±0.1	2.0±0.1	1.2max	1.25±0.2	0.5±0.2	2.0	1.35	0.65	7”	2,500
SPN2424□□□□PTA	2.4±0.1	2.4±0.1	1.0max	1.45±0.2	0.6±0.2	2.0	1.45	0.7	7”	2,500
SPN2424□□□□PTC	2.4±0.1	2.4±0.1	1.2max	1.45±0.2	0.6±0.2	2.0	1.45	0.7	7”	2,500
SPN3030□□□□PTA	3.0±0.1	3.0±0.1	1.0max	1.9±0.2	0.9±0.2	2.7	2.2	0.8	7"	2,000
SPH3030□□□□PTA	3.0±0.1	3.0±0.1	1.0max	1.9±0.2	0.9±0.2	2.7	2.2	0.	7"	2,000
SPN3030□□□□PTC	3.0±0.1	3.0±0.1	1.2max	1.9±0.2	0.9±0.2	2.7	2.2	0.8	7"	2,000
SPH3030□□□□PTC	3.0±0.1	3.0±0.1	1.2max	1.9±0.2	0.9±0.2	2.7	2.2	0.8	7"	2,000
SPN3030□□□□PTE	3.0±0.1	3.0±0.1	1.5max	1.9±0.2	0.9±0.2	2.7	2.2	0.8	7"	2,000
SPN4040□□□□ETA	4.0±0.2	4.0±0.2	1.0max	2.5±0.2	1.1±0.2	3.7	2.8	1.2	13"	5,000
SPH4040□□□□ETA	4.0±0.2	4.0±0.2	1.0max	2.5±0.2	1.1±0.2	3.7	2.8	1.2	13"	5,000
SPN4040□□□□ETC	4.0±0.2	4.0±0.2	1.2max	2.5±0.2	1.1± .2	3.7	2.8	1.2	13"	4,500
SPH4040□□□□ETC	4.0±0.2	4.0±0.2	1.2max	2.5±0.2	1.1±0.2	3.7	2.8	1.2	13"	4,500
SPN4040□□□□ETG	4.0±0.2	4.0±0.2	1.8max	2.5±0.2	1.1±0.2	3.7	2.8	1.2	13"	3,500
SPH4040□□□□ETG	4.0±0.2	4.0±0.2	1.8max	2.5±0.2	1.1±0.2	3.7	2.8	1.2	13"	3,500
SPN5050□□□□PTA	4.9±0.1	4.9±0.1	1.0max	3.3±0.2	1.4±0.2	4.0	3.6	1.5	"	1,000
SPN5050□□□□PTC	4.9±0.1	4.9±0.1	1.2max	3.3±0.2	1.4±0.2	4.0	3.6	1.5	7"	1,000
SPN5050□□□□PTD	4.9±0.1	4.9±0.1	1.4max	3.3±0.2	1.4±0.2	4.0	3.6	1.5	7"	1,000
SPN5050□□□□PTH	4.9±0.1	4.9±0.1	2.0max	3.3±0.2	1.4±0.2	4.0	3.6	1.5	7"	800
SPN5050□□□□ETI	4.9±0.1	4.9±0.1	2.4max	3.3±0.2	1.4±0.2	4.0	3.6	1.5	13"	2,500
SPN5050□□□□ETL	4.9±0.2	4.9±0.2	3.0max	3.3±0.2	1.2±0.2	4.0	3.6	1.5	7"	500
SPN5050□□□□ETN	4.9±0.1	4.9±0.1	4.0max	3.3±0.2	1.4±0.2	4.0	3.6	1.5	13"	1,500
SPH5050□□□□ETN	4.9±0.1	4.9±0.1	4.0max	3.3±0.2	1.4±0.2	4.0	3.6	1.5	13"	1,500



ries	L (mm)	W (mm)	H (mm)	C (mm)	D (mm)	Recommended Land Patterns			Package	
						A (mm)	B (mm)	E (mm)	Reel	Amount(pcs)
SPN6060□□□□PTA	6.0±0.2	6.0±0.2	1.0max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	7”	1,000
SPN6060□□□□PTC	6.0±0.2	6.0±0.2	1.2max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	7”	1,000
SPH6060□□□□PTC	6.0±0.2	6.0±0.2	1.2max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	7”	1,000
SPN6060□□□□PTD	6.0±0.2	6.0±0.2	1.4max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	7”	1,000
SPN6060□□□□ETH	6.0±0.2	6.0±0.2	2.0max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	13”	2,500
SPH6060□□□□ETH	6.0±0.2	6.0±0.2	2.0max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	13”	2,500
SPN6060□□□□ETK	6.0±0.2	6.0±0.2	2.8max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	13”	2,000
SPH6060□□□□ETK	6.0±0.2	6.0±0.2	2.8max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	13”	2,000
SPN6060□□□□ETP	6.0±0.2	6.0±0.2	4.5max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	13”	1,500
SPH6060□□□□ETP	6.0±0.2	6.0±0.2	4.5max	4.0±0.2	1.65±0.2	5.7	4.7	1.6	13”	1,500
SPN8080□□□□ETL	8.0±0.2	8.0±0.2	3.0max	5.6±0.3	1.6±0.3	7.5	5.6	1.8	13"	1,000
SPN8080□□□□ETN	8.0±0.2	8.0±0.2	4.0max	5.6±0.3	1.6±0.3	7.5	5.6	1.8	13"	1,000
SPH8080□□□□ETN	8.0±0.2	8.0±0.2	4.0max	5.6±0.3	1.6±0.3	7.5	5.6	1.8	13"	1,000

■Part Numbers & Characteristic SPH Series (Coating Inductors - High Current)

SPH2020□□□□PSA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH2020R47NPTA	0.47	± 30%	52	62	2.00	2.10	100KHz,1V
SPH2020R68NPTA	0.68		60	72	1.85	1.85	
SPH20201R0NPTA	1.0		80	96	1.60	1.55	
SPH20201R5MPTA	1.5	± 20%	100	120	1.45	1.35	
SPH20202R2MPTA	2.2		175	210	1.10	1.10	
SPH20203R3MPTA	3.3		250	300	1.00	0.88	
SPH20204R7MPTA	4.7		320	384	0.82	0.76	

SPH2020□□□□PCC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH2020R47MPCC	0.47	± 20%	40	46	2.30	4.20	1MHz,1V
SPH2020R68MPCC	0.68		50	58	2.00	3.50	
SPH20201R0MPCC	1.0		56	64	1.90	2.55	
SPH20201R5MPCC	1.5		75	86	1.65	2.00	
SPH20202R2MPCC	2.2		95	109	1.45	1.75	
SPH20203R3MPCC	3.3		155	178	1.15	1.35	
SPH20204R7MPCC	4.7		210	242	0.95	1.15	

SPH2020□□□□PTC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH20201R0NPTC	1.0	± 30%	73	88	1.65	2.20	100KHz,1V
SPH20201R5NPTC	1.5		100	120	1.40	1.80	
SPH20202R2MPTC	2.2	± 20%	129	155	1.20	1.60	
SPH20203R3MPTC	3.3		227	272	0.90	1.25	
SPH20204R7MPTC	4.7		325	390	0.75	1.10	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃ (at 25℃ ambient)

SPH2520□□□□PSA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Typ.	Isat(A) Max.	
SPH2520R50NPSA	0.50	± 30%	32	38	2.67	3.00	1MHz,1V
SPH2520R68NPSA	0.68		49	59	2.40	2.43	
SPH25201R0NPSA	1.0		68	82	1.98	2.20	
SPH25201R5MPSA	1.5	± 20%	95	114	1.65	1.58	
SPH25202R2MPSA	2.2		136	163	1.40	1.39	
SPH25203R3MPSA	3.3		207	248	1.15	1.17	
SPH25204R7MPSA	4.7		269	323	0.99	1.08	
SPH25206R8MPSA	6.8		404	485	0.81	0.77	
SPH2520100MPSA	10		508	610	0.72	0.65	

SPH2520□□□□PSC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Typ.	Isat(A) Max.	
SPH2520R47NPSC	0.47	± 30%	29	35	3.70	3.50	1MHz,1V
SPH2520R50NPSC	0.50		32	38	3.60	3.40	
SPH25201R0NPSC	1.0		43	52	2.60	2.45	
SPH25201R5MPSC	1.5	± 20%	72	86	2.20	2.07	
SPH25202R2MPSC	2.2		90	108	1.85	1.95	
SPH25203R3MPSC	3.3		155	186	1.45	1.60	
SPH25204R7MPSC	4.7		212	254	1.20	1.40	
SPH25206R8MPSC	6.8		370	444	1.00	1.04	
SPH2520100MPSC	10		750	900	0.75	0.77	
SPH2520220MPSC	22		1050	1260	0.50	0.50	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃ (at 25℃ ambient)

(note: SPH2520□□□□PSA SPH2520□□□□PSC specifications are defined an approximately ΔT of 40℃)

SPH3030□□□□PTA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH30301R2NPTA	1.2	± 30%	65	78	1.48	1.70	100KHz,1V
SPH30301R5NPTA	1.5		75	90	1.37	1.44	
SPH30302R2MPTA	2.2	± 20%	83	100	1.30	1.30	
SPH30303R3MPTA	3.3		130	156	1.03	1.00	
SPH30304R7MPTA	4.7		170	204	0.90	0.85	
SPH30306R8MPTA	6.8		250	300	0.74	0.70	
SPH3030100MPTA	10		350	420	0.62	0.60	
SPH3030150MPTA	15		550	660	0.48	0.45	
SPH3030220MPTA	22		770	924	0.41	0.38	

SPH3030□□□□PTC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH3030R47NPTC	0.47	± 30%	33	40	1.90	2.60	100KHz,1V
SPH30301R0NPTC	1.0		48	58	1.71	2.20	
SPH30301R5NPTC	1.5		55	66	1.60	1.70	
SPH30302R2MPTC	2.2	± 20%	75	90	1.37	1.50	
SPH30303R3MPTC	3.3		100	120	1.21	1.20	
SPH30304R7MPTC	4.7		130	156	1.06	1.00	
SPH30306R8MPTC	6.8		190	228	0.89	0.85	
SPH3030100MPTC	10		270	324	0.72	0.73	
SPH3030150MPTC	15		450	540	0.57	0.53	
SPH3030220MPTC	22		630	756	0.50	0.50	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃ (at 25℃ ambient)

SPH4040□□□□ETA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH40401R0NETA	1.0	± 30%	56	67	1.90	2.00	100KHz,1V
SPH40402R2META	2.2	± 20%	85	102	1.50	1.20	
SPH40403R3META	3.3		100	120	1.40	1.10	
SPH40404R7META	4.7		140	168	1.20	0.95	
SPH40406R8META	6.8		200	240	1.00	0.80	
SPH4040100META	10		300	360	0.75	0.62	
SPH4040150META	15		430	516	0.60	0.54	
SPH4040220META	22		570	684	0.50	0.45	

SPH4040□□□□ETC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH40401R0NETC	1.0	± 30%	42	50	2.200	2.800	100KHz,1V
SPH40402R2METC	2.2	± 20%	60	72	1.900	1.650	
SPH40403R3METC	3.3		70	84	1.700	1.400	
SPH40404R7METC	4.7		95	114	1.500	1.200	
SPH40406R8METC	6.8		125	150	1.300	0.900	
SPH4040100METC	10		170	204	1.100	0.800	
SPH4040150METC	15		260	312	0.750	0.650	
SPH4040220METC	22		400	480	0.620	0.500	

SPH4040□□□□ETG (Thickness 1.8mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH40401R0NETG	1.0	± 30%	27	32	3.20	4.00	100KHz,1V

SPH40401R5NESG	1.5		40	48	2.64	3.30	
SPH40402R2METG	2.2	± 20%	42	50	2.20	3.00	
SPH40403R3METG	3.3		55	66	2.00	2.30	
SPH40404R7METG	4.7		70	84	1.70	2.00	
SPH40406R8METG	6.8		98	118	1.45	1.60	
SPH4040100METG	10		150	180	1.20	1.30	
SPH4040150METG	15		210	252	0.85	1.10	
SPH4040220METG	22		290	348	0.72	0.90	
SPH4040330METG	33		460	552	0.55	0.70	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPH5050□□□□ETN (Thickness 4.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH50501R5NETN	1.5	± 30%	17	22	4.50	6.40	100KHz,1V
SPH50502R2NETN	2.2		22	29	3.70	5.00	
SPH50503R3NETN	3.3		27	35	3.30	4.00	
SPH50504R7NETN	4.7		29	38	3.10	3.30	
SPH50506R8METN	6.8	± 20%	49	64	2.40	2.80	
SPH5050100METN	10		56	73	2.10	2.30	
SPH5050150METN	15		80	104	1.80	2.00	
SPH5050220METN	22		126	164	1.40	1.50	
SPH5050330METN	33		180	234	1.20	1.30	
SPH5050470METN	47		310	403	0.90	1.10	

SPH6060□□□□PTC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH60601R0NPTC	1.0	± 30%	50	60	2.40	3.00	100KHz,1V
SPH60601R5NPTC	1.5		67	80	2.10	2.60	
SPH60602R5NPTC	2.5		90	108	1.80	2.10	
SPH60603R3NPTC	3.3		105	126	1.70	1.80	
SPH60604R7MPTC	4.7	± 20%	125	150	1.55	1.60	
SPH60605R3MPTC	5.3		125	150	1.55	1.50	
SPH60606R8MPTC	6.8		165	198	1.35	1.30	
SPH6060100MPTC	10		200	240	1.20	1.00	

SPH6060150MPTC	15		295	354	0.80	0.80	
SPH6060220MPTC	22		465	558	0.65	0.76	
SPH6060330MPTC	33		580	696	0.55	0.59	
SPH6060470MPTC	47		965	1158	0.46	0.52	
SPH6060680MPTC	68		1160	1392	0.41	0.44	
SPH6060101MPTC	100		1670	2004	0.32	0.35	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPH6060□□□□ETH (Thickness 2.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH60600R8NETH	0.8	± 30%	20	24	4.10	6.40	100KHz,1V
SPH60601R5NETH	1.5		26	31	3.60	4.30	
SPH60602R2NETH	2.2		34	41	2.90	3.20	
SPH60603R3NETH	3.3		40	48	2.75	2.80	
SPH60604R7NETH	4.7		58	70	2.15	2.40	
SPH60606R8NETH	6.8		85	102	1.80	2.00	
SPH6060100METH	10	± 20%	125	150	1.50	1.90	
SPH6060220METH	22		290	348	0.95	1.25	

SPH6060□□□□ETK (Thickness 2.8mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH60600R9NETK	0.9	± 30%	13	17	4.60	6.70	100KHz,1V
SPH60601R5NETK	1.5		16	21	4.20	5.10	
SPH60602R2NETK	2.2		20	26	3.70	4.20	
SPH60603R0NETK	3.0		23	30	3.40	3.60	
SPH60604R7METK	4.7	± 20%	31	40	3.00	2.70	
SPH60606R0METK	6.0		40	52	2.50	2.50	
SPH6060100METK	10		65	85	1.90	1.90	

SPH6060150METK	15		95	124	1.80	1.60	
SPH6060220METK	22		135	176	1.40	1.30	
SPH6060330METK	33		220	286	1.10	1.10	
SPH6060470METK	47		300	390	0.92	1.00	
SPH6060680METK	68		420	546	0.77	0.80	
SPH6060101METK	100		600	780	0.66	0.65	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPH6060□□□□ETP (Thickness 4.5mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH60601R0NETP	1.0	± 30%	14	18	4.50	9.80	100KHz,1V
SPH60601R3NETP	1.3		16	21	4.20	8.20	
SPH60601R8NETP	1.8		19	25	3.90	7.20	
SPH60602R3NETP	2.3		22	29	3.60	6.40	
SPH60603R0NETP	3.0		24	31	3.30	5.60	
SPH60604R5METP	4.5	± 20%	30	39	3.10	4.40	
SPH60606R3METP	6.3		36	47	3.00	3.60	
SPH6060100METP	10		46	60	2.40	3.10	
SPH6060150METP	15		70	91	1.90	2.50	
SPH6060220METP	22		107	139	1.60	2.00	
SPH6060330METP	33		141	183	1.40	1.65	
SPH6060470METP	47		211	274	1.15	1.40	
SPH6060680METP	68		304	395	0.95	1.10	
SPH6060101METP	100		466	606	0.75	0.90	

SPH8080□□□□ETN (Thickness 4.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)	Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition

			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPH80800R9NETN	0.9	± 30%	6	8	7.80	13.00	100KHz,1V
SPH80801R4NETN	1.4		7	9	7.00	10.00	
SPH80802R0NETN	2.0		9	12	6.30	8.10	
SPH80803R6NETN	3.6		15	20	4.90	6.40	
SPH80804R7NETN	4.7		18	23	4.10	5.40	
SPH80806R8NETN	6.8		25	33	3.70	4.40	
SPH8080100METN	10	± 20%	34	44	3.10	3.80	
SPH8080150METN	15		50	65	2.40	2.90	
SPH8080220METN	22		66	86	2.20	2.40	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

■Part Numbers & Characteristic SPN Series (Coating Inductors)

SPN2016□□□□PSA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Typ.	Isat(A) Max.	
SPN2016R47NPSA	0.47	± 30%	49	59	2.60	2.56	1MHz,1V
SPN20161R0NPSA	1.0		96	115	1.60	1.69	
SPN20161R5NPSA	1.5		143	172	1.40	1.46	
SPN20161R8NPSA	1.8		175	210	1.35	1.35	
SPN20162R2MPSA	2.2	± 20%	196	235	1.30	1.26	
SPN20163R3MPSA	3.3		247	296	1.05	0.90	
SPN20164R7MPSA	4.7		370	444	0.90	0.76	
SPN20166R8MPSA	6.8		664	797	0.60	0.72	
SPN2016100MPSA	10		1108	1330	0.45	0.55	

SPN2020□□□□PTC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN20201R0NPTC	1.0	± 30%	70	84	1.70	1.90	100KHz,1V
SPN20201R5NPTC	1.5		90	108	1.50	1.65	

SPN20202R2MPTC	2.2	± 20%	107	128	1.37	1.35	
SPN20203R3MPTC	3.3		190	228	1.02	1.00	
SPN20204R7MPTC	4.7		241	289	0.91	0.90	

SPN2424□□□□PTA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN2424R68NPTA	0.68	± 30%	60	72	1.57	2.20	100KHz,1V
SPN24241R0NPTA	1.0		70	84	1.41	1.80	
SPN24241R5MPTA	1.5	± 20%	110	132	1.16	1.55	
SPN24242R2MPTA	2.2		150	180	0.97	1.29	
SPN24243R3MPTA	3.3		220	264	0.77	1.00	
SPN24244R7MPTA	4.7		290	348	0.67	0.88	
SPN24246R8MPTA	6.8		410	492	0.57	0.75	
SPN2424100MPTA	10		690	828	0.45	0.55	
SPN2424150MPTA	15		1020	1224	0.37	0.47	
SPN2424220MPTA	22		1470	1764	0.30	0.39	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

(note: SPN2016□□□□PSA specifications is defined an approximately ΔT of 40℃)

SPN2424□□□□PTC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN2424R47NPTC	0.47	± 30%	50	60	2.10	2.90	100KHz,1V
SPN24241R0NPTC	1.0		77	92	1.30	2.35	
SPN24241R5NPTC	1.5		100	120	1.15	2.10	
SPN24242R2MPTC	2.2	± 20%	140	168	1.00	1.70	
SPN24243R3MPTC	3.3		225	270	0.75	1.40	
SPN24244R7MPTC	4.7		300	360	0.65	1.15	
SPN24246R8MPTC	6.8		420	504	0.55	0.95	
SPN2424100MPTC	10		600	720	0.45	0.81	

SPN2520□□□□PSA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Typ.	Isat(A) Max.	

SPN2520R47NPSA	0.47	± 30%	38	46	2.65	2.50	1MHz,1V
SPN2520R68NPSA	0.68		52	62	2.20	2.05	
SPN25201R0NPSA	1.0		70	84	1.90	1.75	
SPN25201R5MPSA	1.5	± 20%	107	128	1.50	1.45	
SPN25202R2MPSA	2.2		158	190	1.20	1.20	
SPN25203R3MPSA	3.3		229	275	1.00	0.94	
SPN25204R7MPSA	4.7		332	398	0.82	0.80	
SPN25206R8MPSA	6.8		443	532	0.71	0.68	
SPN2520100MPSA	10		712	854	0.55	0.56	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

(note: SPN2520□□□□PSA specifications are defined an approximately ΔT of 40℃)

SPN2520□□□□PSC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Typ.	Isat(A) Max.	
SPN2520R47NPSC	0.47	± 30%	47	56	2.40	2.75	1MHz,1V
SPN25201R0NPSC	1.0		73	88	2.15	2.20	
SPN25201R5MPSC	1.5	± 20%	105	126	1.65	1.80	
SPN25202R2MPSC	2.2		129	155	1.55	1.55	
SPN25203R3MPSC	3.3		227	272	1.15	1.25	
SPN25204R7MPSC	4.7		338	406	1.08	1.05	

SPN25206R8MPSC	6.8		510	612	0.78	0.85	
SPN2520100MPSC	10		630	756	0.72	0.73	

SPN3030□□□□PTA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN30301R0NPTA	1.0	± 30%	65	78	1.40	1.30	100KHz,1V
SPN30301R5NPTA	1.5		80	96	1.30	1.20	
SPN30302R2MPTA	2.2	± 20%	95	114	1.10	1.10	
SPN30303R3MPTA	3.3		140	168	0.94	0.87	
SPN30304R7MPTA	4.7		190	228	0.78	0.75	
SPN30306R8MPTA	6.8		300	360	0.63	0.61	
SPN3030100MPTA	10		450	540	0.51	0.50	
SPN3030150MPTA	15		740	888	0.40	0.40	
SPN3030220MPTA	22		1030	1236	0.35	0.35	
SPN3030330MPTA	33		1550	1860	0.28	0.26	
SPN3030470MPTA	47		2050	2460	0.24	0.22	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

(note: SPN2520□□□□PSC specifications are defined an approximately ΔT of 40℃)

SPN3030□□□□PTE (Thickness 1.5mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN30301R0NPTE	1.0	± 30%	30	36	2.10	2.10	100KHz,1V
SPN30301R5NPTE	1.5		40	48	1.82	1.80	

SPN30302R2MPTE	2.2	± 20%	60	72	1.50	1.48	
SPN30303R3MPTE	3.3		80	96	1.23	1.21	
SPN30304R7MPTE	4.7		120	144	1.04	1.02	
SPN30306R8MPTE	6.8		160	192	0.88	0.87	
SPN3030100MPTE	10		230	276	0.71	0.70	
SPN3030150MPTE	15		360	432	0.56	0.56	
SPN3030220MPTE	22		520	624	0.47	0.47	
SPN3030330MPTE	33		840	1008	0.37	0.39	
SPN3030470MPTE	47		1340	1608	0.30	0.32	

SPN4040□□□□ETA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN40401R0NETA	1.0	± 30%	100	120	1.05	1.80	100KHz,1V
SPN40402R2NETA	2.2		150	180	0.89	1.15	
SPN40403R3META	3.3	± 20%	180	216	0.82	1.10	
SPN40404R7META	4.7		210	252	0.75	0.90	
SPN40406R8META	6.8		300	360	0.62	0.74	
SPN4040100META	10		380	456	0.60	0.56	
SPN4040150META	15		510	612	0.51	0.47	
SPN4040220META	22		870	1044	0.40	0.36	
SPN4040330META	33		1540	1848	0.30	0.28	
SPN4040470META	47		1810	2172	0.28	0.24	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPN4040□□□□ETC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)	Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition

			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN40401R0NETC	1.0	± 30%	60	72	1.50	2.50	100KHz,1V
SPN40402R2METC	2.2	± 20%	90	108	1.20	1.65	
SPN40403R3METC	3.3		130	156	0.98	1.20	
SPN40404R7METC	4.7		140	168	0.96	1.05	
SPN40406R8METC	6.8		180	216	0.84	0.90	
SPN4040100METC	10		240	288	0.77	0.74	
SPN4040150METC	15		400	480	0.60	0.56	
SPN4040220METC	22		480	576	0.54	0.51	
SPN4040330METC	33		810	972	0.42	0.40	
SPN4040470METC	47		1000	1200	0.37	0.35	

SPN4040□□□□ETG (Thickness 1.8mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN40401R0NETG	1.0	± 30%	30	36	1.83	4.00	100KHz,1V
SPN40402R2METG	2.2	± 20%	60	72	1.44	2.70	
SPN40403R3METG	3.3		70	84	1.23	2.00	
SPN40404R7METG	4.7		90	108	1.20	1.70	
SPN40406R8METG	6.8		110	132	1.06	1.45	
SPN4040100METG	10		180	216	0.84	1.20	
SPN4040150METG	15		250	300	0.65	0.94	
SPN4040220METG	22		360	432	0.59	0.80	
SPN4040330METG	33		530	636	0.49	0.65	
SPN4040470METG	47		650	780	0.42	0.57	
SPN4040680METG	68		1000	1200	0.32	0.47	
SPN4040101METG	100		1500	1800	0.27	0.40	
SPN4040151METG	150		2500	3000	0.22	0.31	
SPN4040221METG	220		4000	4800	0.17	0.27	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPN5050□□□□PTA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN50501R0NPTA	1.0	± 30%	70	84	1.75	2.35	100KHz,1V
SPN50502R2NPTA	2.2		105	126	1.40	1.50	
SPN50503R3MPTA	3.3	± 20%	125	150	1.25	1.40	
SPN50504R7MPTA	4.7		145	174	1.15	1.20	
SPN50506R8MPTA	6.8		185	222	1.00	1.00	
SPN5050100MPTA	10		250	300	0.90	0.85	
SPN5050150MPTA	15		400	480	0.65	0.68	
SPN5050220MPTA	22		600	720	0.45	0.55	

SPN5050□□□□PTC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN50501R0NPTC	1.0	± 30%	53	64	2.30	4.50	100KHz,1V
SPN50501R5NPTC	1.5		70	84	2.20	3.80	
SPN50502R2MPTC	2.2	± 20%	85	102	2.00	3.10	
SPN50503R3MPTC	3.3		160	192	1.45	2.40	
SPN50504R7MPTC	4.7		180	216	1.40	2.20	
SPN50506R8MPTC	6.8		260	312	1.10	1.70	
SPN5050100MPTC	10		420	504	0.85	1.40	
SPN5050150MPTC	15		670	804	0.64	1.20	

SPN5050□□□□PTD (Thickness 1.4mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN5050R47NPTD	0.47	± 30%	25	30	3.30	5.80	100KHz,1V
SPN50501R2NPTD	1.2		45	54	2.40	3.80	
SPN50502R2NPTD	2.2		65	78	2.00	2.80	
SPN50503R3NPTD	3.3		80	96	1.70	2.35	
SPN50504R7NPTD	4.7		100	120	1.40	2.05	
SPN50506R8MPTD	6.8	± 20%	150	180	1.20	1.60	
SPN5050100MPTD	10		200	240	1.05	1.40	
SPN5050150MPTD	15		320	384	0.65	1.10	
SPN5050220MPTD	22		450	540	0.55	0.90	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPN5050□□□□PTH (Thickness 2.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN50501R0NPTH	0.47	± 30%	12	14	5.00	6.10	100KHz,1V
SPN50501R0NPTH	1.0		21	25	3.60	4.00	
SPN50501R5NPTH	1.5		26	31	3.20	3.35	
SPN50502R2NPTH	2.2		35	42	2.90	2.90	
SPN50503R3NPTH	3.3		48	58	2.40	2.40	
SPN50504R7MPTH	4.7	± 20%	60	72	2.00	2.00	
SPN50506R8MPTH	6.8		90	108	1.65	1.60	
SPN5050100MPTH	10		120	144	1.45	1.30	
SPN5050150MPTH	15		165	198	1.20	1.10	
SPN5050220MPTH	22		260	312	1.00	0.90	

SPN5050□□□□ETI (Thickness 2.4mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN50501R0NETI	1.0	± 30%	16	19	4.40	5.80	100KHz,1V
SPN50501R5NETI	1.5		22	26	3.60	5.20	
SPN50502R2NETI	2.2		29	35	3.10	4.10	
SPN50503R3NETI	3.3		43	52	2.40	3.10	
SPN50504R7METI	4.7	± 20%	55	66	2.00	2.70	
SPN50506R8METI	6.8		80	96	1.60	2.20	
SPN5050100METI	10		125	150	1.20	1.70	
SPN5050150METI	15		170	204	1.00	1.40	
SPN5050220METI	22		230	276	0.82	1.20	
SPN5050330METI	33		370	444	0.63	1.00	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPN5050□□□□ETL (Thickness 3.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN5050R47NETL	0.47	± 30%	10	13	5.00	9.00	100KHz,1V
SPN50501R0NETL	1.0		15	20	4.00	6.60	
SPN50502R2NETL	2.2		23	30	3.50	4.20	
SPN50503R3METL	3.3	± 20%	30	39	3.00	3.60	
SPN50504R7METL	4.7		35	46	2.60	3.10	
SPN50506R8METL	6.8		52	68	2.30	2.50	
SPN5050100METL	10		70	91	1.70	2.10	
SPN5050150METL	15		125	163	1.40	1.60	
SPN5050220METL	22		180	234	1.05	1.40	
SPN5050330METL	33		225	293	0.80	1.15	
SPN5050470METL	47		325	423	0.70	0.95	

SPN5050□□□□ETN (Thickness 4.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN50501R5NETN	1.5	± 30%	20	26	3.60	6.00	100KHz,1V
SPN50502R2NETN	2.2		22	29	3.50	4.60	
SPN50503R3NETN	3.3		27	35	3.30	3.80	
SPN50504R7NETN	4.7		29	38	3.10	3.30	
SPN50506R8METN	6.8	± 20%	49	64	2.30	2.60	
SPN5050100METN	10		56	73	2.10	2.30	
SPN5050150METN	15		80	104	1.80	2.00	
SPN5050220METN	22		126	164	1.40	1.60	
SPN5050330METN	33		180	234	1.20	1.30	
SPN5050470METN	47		310	403	0.90	1.10	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPN6060□□□□PTA (Thickness 1.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN60601R5MPTA	1.5	± 20%	90	108	1.90	2.40	100KHz,1V
SPN60602R2MPTA	2.2		110	132	1.70	1.90	
SPN60603R3MPTA	3.3		135	162	1.50	1.60	
SPN60604R7MPTA	4.7		165	198	1.40	1.40	
SPN60606R8MPTA	6.8		220	264	1.00	1.20	
SPN6060100MPTA	10		270	324	0.85	1.00	
SPN6060220MPTA	22		580	696	0.70	0.65	

SPN6060□□□□PTC (Thickness 1.2mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN60602R5NPTC	2.5	± 30%	90	108	1.73	2.10	100KHz,1V
SPN60604R0NPTC	4.0		105	126	1.57	1.80	
SPN60605R3MPTC	5.3	± 20%	125	150	1.40	1.50	
SPN60606R8MPTC	6.8		165	198	1.18	1.30	
SPN6060100MPTC	10		235	282	1.00	1.00	
SPN6060150MPTC	15		330	396	0.79	0.80	
SPN6060220MPTC	22		530	636	0.63	0.76	
SPN6060330MPTC	33		700	840	0.53	0.59	
SPN6060470MPTC	47		1050	1260	0.46	0.52	
SPN6060680MPTC	68		1350	1620	0.41	0.44	
SPN6060101MPTC	100		2180	2616	0.32	0.35	

SPN6060□□□□PTD (Thickness 1.4mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN60601R2NPTD	1.2	± 30%	42	50	2.75	4.00	100KHz,1V
SPN60602R2NPTD	2.2		55	66	2.30	3.00	
SPN60603R3NPTD	3.3		75	90	2.00	2.50	
SPN60604R7MPTD	4.7	± 20%	090	108	1.90	2.00	

SPN60606R8MPTD	6.8		115	138	1.65	1.70	
SPN6060100MPTD	10		140	168	1.40	1.40	
SPN6060150MPTD	15		210	252	1.20	1.15	
SPN6060220MPTD	22		300	360	1.00	0.95	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPN6060□□□□ETH (Thickness 2.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN60600R8NETH	0.8	± 30%	20	24	3.80	5.50	100KHz,1V
SPN60601R5NETH	1.5		26	31	3.20	4.00	
SPN60602R2NETH	2.2		34	41	2.70	3.20	
SPN60603R3NETH	3.3		40	48	2.60	2.80	
SPN60604R7NETH	4.7		58	70	2.00	2.40	
SPN60606R8NETH	6.8		85	102	1.80	2.00	
SPN6060100METH	10	± 20%	125	150	1.40	1.70	
SPN6060220METH	22		290	348	0.95	1.05	

SPN6060□□□□ETK (Thickness 2.8mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN60600R9NETK	0.9	± 30%	13	17	4.60	6.60	100KHz,1V
SPN60601R5NETK	1.5		16	21	4.20	5.00	
SPN60602R2NETK	2.2		20	26	3.70	4.20	
SPN60603R0NETK	3.0		23	30	3.40	3.60	
SPN60604R7METK	4.7	± 20%	31	40	3.00	2.70	
SPN60606R0METK	6.0		40	52	2.50	2.50	
SPN6060100METK	10		65	85	1.90	1.90	
SPN6060150METK	15		95	124	1.80	1.60	
SPN6060220METK	22		135	176	1.40	1.30	
SPN6060330METK	33		220	286	1.10	1.10	
SPN6060470METK	47		300	390	0.92	0.95	
SPN6060680METK	68		420	546	0.77	0.76	
SPN6060101METK	100		600	780	0.66	0.62	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPN6060□□□□ETP (Thickness 4.5mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN60601R0NETP	1.0	± 30%	14	18	4.20	8.50	100KHz,1V
SPN60601R3NETP	1.3		16	21	4.00	8.00	
SPN60601R8NETP	1.8		18	23	3.70	7.00	
SPN60602R3NETP	2.3		21	27	3.50	6.00	
SPN60603R0NETP	3.0		24	31	3.20	5.00	
SPN60604R5METP	4.5	± 20%	31	40	3.00	4.00	
SPN60606R3METP	6.3		38	49	2.80	3.80	
SPN6060100METP	10		47	61	2.50	3.00	
SPN6060150METP	15		77	100	1.90	2.30	
SPN6060220METP	22		115	150	1.50	1.90	
SPN6060330METP	33		145	189	1.40	1.50	
SPN6060470METP	47		220	286	1.10	1.30	
SPN6060680METP	68		330	429	0.90	1.00	
SPN6060101METP	100		500	650	0.70	0.80	

SPN8080□□□□ETL (Thickness 3.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN80801R0NETL	1.0	± 30%	9	12	6.20	7.80	100KHz,1V
SPN80801R5NETL	1.5		12	16	5.30	6.20	
SPN80802R2NETL	2.2		15	20	4.80	4.90	
SPN80803R3METL	3.3	± 20%	19	25	4.30	4.20	
SPN80804R7METL	4.7		22	29	4.00	3.60	
SPN80806R8METL	6.8		29	38	3.40	3.00	

SPN8080100METL	10		33	43	3.00	2.40	
SPN8080150METL	15		60	78	2.20	2.00	
SPN8080220METL	22		70	91	1.90	1.75	
SPN8080330METL	33		120	156	1.50	1.30	
SPN8080470METL	47		170	221	1.30	1.10	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)

SPN8080□□□□ETN (Thickness 4.0mm)

DARFON P/N	Inductance (uH)	Tolerance	DC Resistance (mΩ)		Heat Rating Current DC Amp.	Saturation Current DC Amps.	Measuring Condition
			Typ.	Max.	Idc(A) Max.	Isat(A) Max.	
SPN80800R9NETN	0.9	± 30%	6	8	7.80	11.00	100KHz,1V
SPN80801R4NETN	1.4		7	9	7.00	9.00	
SPN80802R0NETN	2.0		9	12	6.30	7.40	
SPN80803R6NETN	3.6		15	20	4.90	5.30	
SPN80804R7NETN	4.7		18	23	4.10	4.70	
SPN80806R8NETN	6.8		25	33	3.70	4.00	
SPN8080100METN	10	± 20%	34	44	3.10	3.40	
SPN8080150METN	15		50	65	2.40	2.70	
SPN8080220METN	22		66	86	2.20	2.20	
SPN8080330METN	33		100	130	1.70	1.90	
SPN8080470METN	47		150	195	1.40	1.50	
SPN8080680METN	68		230	299	1.10	1.20	
SPN8080101METN	100		290	377	1.00	1.00	

※Isat :DC current(A) that will cause inductance to drop approximately 30%

※Idc: DC current(A) that will cause an approximate ΔT of 20℃(at 25℃ambient)