

Shielded Power Inductors SLF-**F Series AEC-Q200 qualified

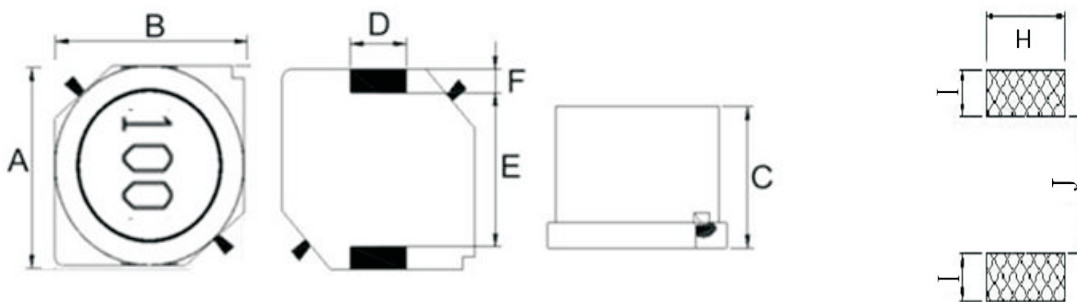
Product Identification:



SLF - 6045 F - 1R5 M
(1) (2) (3) (4) (5)

- (1) Type
- (2) Dimensions(L*H)
- (3) LCP Base
- (4) Inductance (1R0=1.0uH, 100=10uH, 101=100uH)
- (5) Tolerance(K(±10%), L(±15%), M(±20%),N(±30%))

DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern		
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	D(mm)	F(mm)	H(mm)	I(mm)	J(mm)
SLF-6045F	6.0±0.3	6.0±0.3	4.5±0.3	2.0±0.2	4.0Typ	0.9Typ	2.2Typ	1.5Typ	4.0Typ
SLF-7032F	7.0±0.3	7.0±0.3	3.2±0.3	2.0±0.2	4.0Typ	0.9Typ	2.2Typ	1.5Typ	4.8Typ
SLF-7045F	7.0±0.3	7.0±0.3	4.5±0.3	2.0±0.2	4.0Typ	0.9Typ	2.2Typ	1.5Typ	4.8Typ
SLF-7055F	7.0±0.3	7.0±0.3	5.5±0.3	2.0±0.2	4.0Typ	0.9Typ	2.2Typ	1.5Typ	4.8Typ
SLF-10145F	10.1±0.3	10.1±0.3	4.5±0.3	3.0±0.2	6.0Typ	2.0Typ	3.2Typ	2.5Typ	5.6Typ
SLF-12555F	12.5±0.3	12.5±0.3	5.5±0.3	3.0±0.2	8.5Typ	2.0Typ	3.2Typ	2.6Typ	8.5Typ
SLF-12565F	12.5±0.3	12.5±0.3	6.5±0.3	3.0±0.2	8.5Typ	2.0Typ	3.2Typ	2.6Typ	8.5Typ
SLF-12575F	12.5±0.3	12.5±0.3	7.5±0.35	3.0±0.2	8.5Typ	2.0Typ	3.2Typ	2.6Typ	8.5Typ

Shielded Power Inductors SLF-6045F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±30%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
SLF-6045F-1R5□	1.0	N	100K/0.25V	16.0	4.0	4.1	1R5
SLF-6045F-2R2□	2.2	N	100K/0.25V	18.0	3.3	3.8	2R2
SLF-6045F-3R3□	3.3	N	100K/0.25V	21.5	2.8	3.4	3R3
SLF-6045F-4R7□	4.7	N	100K/0.25V	26.5	2.4	3.2	4R7
SLF-6045F-6R8□	6.8	N	100K/0.25V	33.0	2.0	2.8	6R8
SLF-6045F-100□	10	M N	100K/0.25V	39.0	1.6	2.7	100
SLF-6045F-150□	15	M N	100K/0.25V	59.5	1.3	2.2	150
SLF-6045F-220□	22	M N	100K/0.25V	82.0	1.1	1.8	220
SLF-6045F-330□	33	M N	100K/0.25V	128.0	0.9	1.2	330
SLF-6045F-470□	47	M N	100K/0.25V	185.0	0.75	1.0	470

Shielded Power Inductors SLF-7032F Series

ELECTRICAL CHARACTERISTIC:

Part Nuber	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC (A) Max	MARK
SLF-7032F-3R3□	3.3	M N	100K/0.25V	23	1.9	3R3
SLF-7032F-4R7□	4.7	M N	100K/0.25V	30	1.7	4R7
SLF-7032F-6R8□	6.8	M N	100K/0.25V	41	1.6	6R8
SLF-7032F-100□	10	M N	100K/0.25V	53	1.4	100
SLF-7032F-150□	15	M N	100K/0.25V	75	1.1	150
SLF-7032F-220□	22	M N	100K/0.25V	110	0.96	220
SLF-7032F-330□	33	M N	100K/0.25V	160	0.75	330
SLF-7032F-470□	47	M N	100K/0.25V	240	0.67	470
SLF-7032F-680□	68	M N	100K/0.25V	310	0.59	680
SLF-7032F-101□	100	M N	100K/0.25V	450	0.45	101
SLF-7032F-151□	150	M N	100K/0.25V	650	0.37	151
SLF-7032F-221□	220	M N	100K/0.25V	1050	0.29	221
SLF-7032F-331□	330	M N	100K/0.25V	1670	0.22	331
SLF-7032F-471□	470	M N	100K/0.25V	2050	0.2	471
SLF-7032F-681□	680	M N	100K/0.25V	3150	0.16	681
SLF-7032F-102□	1000	M N	100K/0.25V	4780	0.13	102

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC&IDC1:Base on temp.rise & ΔL/L0A 10% Typ

(3).IDC&IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors SLF-7045F Series

ELECTRICAL CHARACTERISTIC:0

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
SLF-7045F-3R3□	3.3	M N	100K/0.25V	20	2.5	2.3	3R3
SLF-7045F-4R7□	4.7	M N	100K/0.25V	30	2	2.1	4R7
SLF-7045F-6R8□	6.8	M N	100K/0.25V	39	1.7	1.74	6R8
SLF-7045F-100□	10	M N	100K/0.25V	45	1.3	1.6	100
SLF-7045F-150□	15	M N	100K/0.25V	52	1.1	1.53	150
SLF-7045F-220□	22	M N	100K/0.25V	61	0.9	1.34	220
SLF-7045F-330□	33	M N	100K/0.25V	96	0.82	1.09	330
SLF-7045F-470□	47	M N	100K/0.25V	125	0.75	0.9	470
SLF-7045F-680□	68	M N	100K/0.25V	175	0.6	0.77	680
SLF-7045F-101□	100	M	100K/0.25V	250	0.5	0.65	101
SLF-7045F-151□	150	M	100K/0.25V	340	0.4	0.55	151
SLF-7045F-221□	220	M	100K/0.25V	520	0.33	0.45	221
SLF-7045F-331□	330	M	100K/0.25V	740	0.25	0.37	331
SLF-7045F-471□	470	M	100K/0.25V	1050	0.22	0.31	471
SLF-7045F-681□	680	M	100K/0.25V	1480	0.2	0.27	681
SLF-7045F-102□	1000	M	100K/0.25V	2280	0.14	0.25	102

Shielded Power Inductors SLF-7055F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±30%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
SLF-7055F-1R5□	1.5	N	100K/0.25V	17.4	6.2	4	1R5
SLF-7055F-2R2□	2.2	N	100K/0.25V	21.7	5.3	3.5	2R2
SLF-7055F-3R3□	3.3	N	100K/0.25V	24	4.3	3.3	3R3
SLF-7055F-4R7□	4.7	N	100K/0.25V	28	3.6	3.1	4R7
SLF-7055F-6R8□	6.8	N	100K/0.25V	34	3.0	2.8	6R8
SLF-7055F-100□	10	M N	100K/0.25V	39.1	2.6	2.5	100
SLF-7055F-150□	15	M N	100K/0.25V	50.8	2.1	2.2	150
SLF-7055F-220□	22	M N	100K/0.25V	64.3	1.7	2	220
SLF-7055F-330□	33	M N	100K/0.25V	87	1.4	1.7	330
SLF-7055F-470□	47	M N	100K/0.25V	130	1.2	1.4	470

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & ΔL/L0A 10% Typ

(3).IDC2:Temp.rise 40℃ Typ

(4).Operating temp.: -40℃ to +125℃

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors SLF-10145F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR(Ω) $\pm 20\%$	IDC1 (A) Max.	IDC2 (A) Max.	MARK
SLF-10145F-3R3□	3.3	N	1K/0.25V	0.0162	4.9	3.7	3R3
SLF-10145F-5R6□	5.6	N	1K/0.25V	0.022	3.8	3.2	5R6
SLF-10145F-100□	10	M N	1K/0.25V	0.0364	3.0	2.5	100
SLF-10145F-150□	15	M N	1K/0.25V	0.0472	2.4	2.2	150
SLF-10145F-220□	22	M N	1K/0.25V	0.0591	2.1	1.9	220
SLF-10145F-330□	33	M N	1K/0.25V	0.0815	1.6	1.7	330
SLF-10145F-470□	47	M N	1K/0.25V	0.10	1.4	1.5	470
SLF-10145F-680□	68	M N	1K/0.25V	0.14	1.2	1.3	680
SLF-10145F-101□	100	M	1K/0.25V	0.20	1.0	1.1	101
SLF-10145F-151□	150	M	1K/0.25V	0.35	0.79	0.81	151
SLF-10145F-221□	220	M	1K/0.25V	0.47	0.65	0.7	221
SLF-10145F-331□	330	M	1K/0.25V	0.68	0.54	0.58	331
SLF-10145F-471□	470	M	1K/0.25V	1.03	0.47	0.47	471
SLF-10145F-681□	680	M	1K/0.25V	1.6	0.38	0.38	681
SLF-10145F-102□	1000	M	1K/0.25V	2.8	0.32	0.29	102
SLF-10145F-152□	1500	M	1K/0.25V	3.4	0.22	0.26	152

Shielded Power Inductors SLF-12555F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR(Ω) $\pm 20\%$	IDC1 (A) Max.	IDC2 (A) Max.	MARK
SLF-12555F-6R0□	6	N	1K/0.25V	0.0164	3.6	4.9	6R0
SLF-12555F-100□	10	M N	1K/0.25V	0.0215	3.4	4.3	100
SLF-12555F-150□	15	M N	1K/0.25V	0.0259	2.8	3.9	150
SLF-12555F-220□	22	M N	1K/0.25V	0.0338	2.3	3.4	220
SLF-12555F-330□	33	M N	1K/0.25V	0.0415	1.9	3.1	330
SLF-12555F-470□	47	M N	1K/0.25V	0.06	1.6	2.5	470
SLF-12555F-680□	68	M N	1K/0.25V	0.08	1.3	2.2	680
SLF-12555F-101□	100	M	1K/0.25V	0.12	1.1	1.8	101
SLF-12555F-151□	150	M	1K/0.25V	0.19	0.88	1.40	151
SLF-12555F-221□	220	M	1K/0.25V	0.27	0.72	1.2	221
SLF-12555F-331□	330	M	1K/0.25V	0.41	0.59	1.0	331
SLF-12555F-471□	470	M	1K/0.25V	0.52	0.49	0.88	471
SLF-12555F-681□	680	M	1K/0.25V	0.76	0.43	0.73	681
SLF-12555F-102□	1000	M	1K/0.25V	1.12	0.34	0.6	102
SLF-12555F-152□	1500	M	1K/0.25V	1.73	0.29	0.48	152

(1).Specify the inductance tolerance, K($\pm 10\%$), L($\pm 15\%$), M($\pm 20\%$),N($\pm 30\%$)

(2).IDC1:Base on temp.rise & $\Delta L/L_{0A}$ 10% Typ

(3).IDC2:Temp.rise 40°C Typ

(4).Operating temp.: -40°C to +125°C

※:Rated DC Current : The less value which is IDC1 or IDC2

Shielded Power Inductors SLF-12565F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
SLF-12565F-2R0□	2	N	1K/0.25V	11.7	10	6.2	2R0
SLF-12565F-4R2□	4.2	N	1K/0.25V	15	7.3	5.5	4R2
SLF-12565F-7R0□	7	N	1K/0.25V	17.7	5.7	5	7R0
SLF-12565F-100□	10	M N	1K/0.25V	20	5.0	4.8	100
SLF-12565F-150□	15	M N	1K/0.25V	23.7	4.2	4.4	150
SLF-12565F-220□	22	M N	1K/0.25V	32.6	3.5	3.8	220
SLF-12565F-330□	33	M N	1K/0.25V	40.6	2.8	3.4	330
SLF-12565F-470□	47	M N	1K/0.25V	57.80	2.4	2.8	470
SLF-12565F-680□	68	M N	1K/0.25V	78.70	2	2.4	680
SLF-12565F-101□	100	M	1K/0.25V	123.0	1.6	1.9	101
SLF-12565F-221□	220	M	1K/0.25V	273	1	1.2	221
SLF-12565F-102□	1000	M	1K/0.25V	1100	0.3	0.35	102

Shielded Power Inductors SLF-12575F Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	DCR (mΩ) ±20%	IDC1 (A) Max.	IDC2 (A) Max.	MARK
SLF-12575F-1R2□	1.2	N	1K/0.25V	6.9	13	8.2	1R2
SLF-12575F-2R7□	2.7	N	1K/0.25V	9.4	10	7.0	2R7
SLF-12575F-3R9□	3.9	N	1K/0.25V	10.4	9	6.7	3R9
SLF-12575F-5R6□	5.6	N	1K/0.25V	11.6	7.8	6.3	5R6
SLF-12575F-6R8□	6.8	N	1K/0.25V	13.1	7.2	5.9	6R8
SLF-12575F-100□	10	M N	1K/0.25V	15.6	5.5	5.4	100
SLF-12575F-150□	15	M N	1K/0.25V	18.4	4.7	5.0	150
SLF-12575F-220□	22	M N	1K/0.25V	26.3	4.0	4.0	220
SLF-12575F-330□	33	M N	1K/0.25V	39.5	3.2	3.4	330
SLF-12575F-470□	47	M N	1K/0.25V	52.90	2.7	3.0	470
SLF-12575F-680□	68	M N	1K/0.25V	77.80	2.0	2.4	680
SLF-12575F-101□	100	M	1K/0.25V	125.0	1.9	1.9	101
SLF-12575F-151□	150	M	1K/0.25V	175	1.5	1.6	151
SLF-12575F-221□	220	M	1K/0.25V	258	1.3	1.3	221

(1).Specify the inductance tolerance, K(±10%), L(±15%), M(±20%),N(±30%)

(2).IDC1:Base on temp.rise & ΔL/L0A 10% Typ

(3).IDC2:Temp.rise 40℃ Typ

(4).Operating temp.: -40℃ to +125℃

※:Rated DC Current : The less value which is IDC1 or IDC2