Data Sheet

Customer:	
Product:	**Shielded SMD Power Inductor – PCS Series**
Sizes.:	**62B/64B/73/74/124/125/127/129**
Issued Date:	**27-May-22**
Edition:	**REV.C1**

RoHS Compliant

HONG KONG HELISTO INDUSTRIAL LIMITED
香港海利斯特实业有限公司

SHENZHEN HELISTO TECHNOLOGYCOLTD
深圳市海利斯特科技有限公司

ADD:5/F., A Block, Hongdu Industrial Park, Fanshen Road, 45 Area, Baoan, Shenzhen, China
TEL:+86-755-29741555 29749555
FAX:+86-755-29742111
E-mail:donnyhai@helisto.com
www.Helisto.com

Produced by (QC)	Checked (QC)	Approved by (QC)	Prepared by (Sales)	Accepted by (Customer)
27-May-22	27-May-22	27-May-22		
Mandy Chen	*Ben Chang*	*Ben Chang*		

Shielded SMD Power Inductor



■Features

- High power, High saturation inductors
- With magnetically shielded against radiation
- Directly connected electrode on ferrite core
- Highly accurate dimensions for surface mounting

■Applications

- Power Supply for VTRs.
- LCD Televisions
- Personal Computers
- Handheld Communication Equipment
- DC/DC Converters, etc.

■Characteristics except PCSH127

- Rated DC Current: The DC current at which the inductance becomes 25% lower than its initial value
- Operating temperature range: -40～125°C

■Characteristics for PCSH127

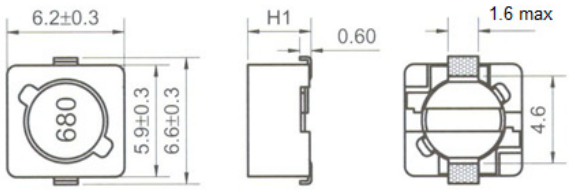
- Rated DC Current: The DC current at which the inductance becomes 30% lower than its initial value . (Ta=25°C)
- Operating temperature range: -40～125°C

■Inductance and rated current ranges

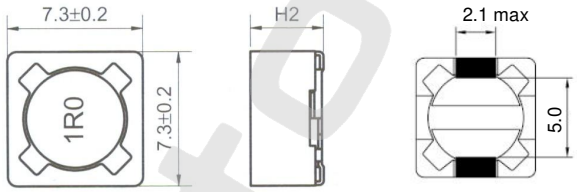
PCS62B	1.5μH～330μH	3.50～0.19A
PCS64B	10μH～1000μH	1.35～0.14A
PCS73	1.0μH～1000μH	7.97～0.25A
PCS74	1.0μH～1000μH	8.0～0.18A
PCS124	1.5μH～330μH	8.75～0.75A
PCS125	1.3μH～1500μH	8.0～0.5A
PCS127	1.0μH～2200μH	10.0～0.65A
PCS129	1.0μH～1000μH	17.0～0.76A
PCSH127	2.2μH～1000μH	25.5～1.14A

- Test equipment:
  L: HP4284A or HP4285A LCR meter
  DCR: Milli-ohm meter
- Electrical specifications at 25°C

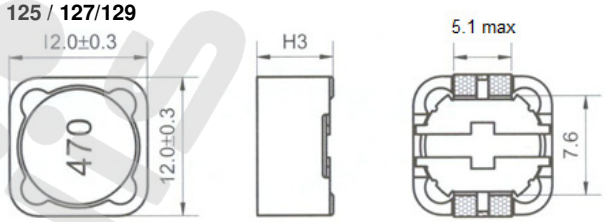
PCS62B / 64B



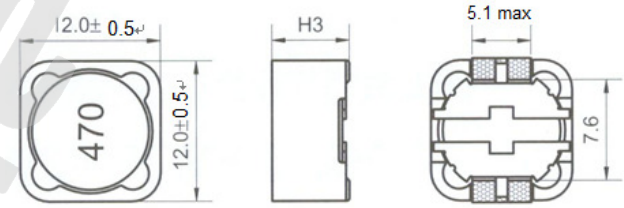
PCS73 / 74

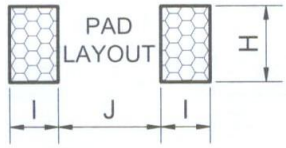


PCS124 / 125 / 127/129



PCSH127





■Dimensions

Unit: mm

Type	H1 max.	H2 max.	H3 max.	H	I	J
PCS62B	3.0	-	-	1.9	1.4	4.6
PCS64B	5.0	-	-	1.9	1.4	4.6
PCS73	-	3.4	-	2.2	1.6	4.8
PCS74	-	4.5	-	2.2	1.6	4.8
PCS124	-	-	4.5	5.4	2.9	7.0
PCS125	-	-	6.0	5.4	2.9	7.0
PCS127	-	-	8.0	5.4	2.9	7.0
PCS129	-	-	10.0	5.4	2.9	7.0
PCSH127			8.0	5.4	2.9	7.0

Shielded SMD Power Inductor

■Product Identification

PCS	62B	M	T	101
Product Type	Dimensions (AxBxC)	Inductor Tolerance	Packaging Style	Inductance
PCS :Standard PCSH :High Current	62B: 6.2×6.6×3.0 64B: 6.2×6.6×5.0 73: 7.3×7.3×3.4 74: 7.3×7.3×4.5 124: 12×12×4.5 125: 12×12×6.0 127: 12×12×8.0 129: 12×12×10.0	K: ±10% M: ±20% N: ±30%	T: Tape and Reel	1R0: 1.0μH 470: 47μH 101: 100μH

■Standard Electrical Characteristics

PCS62B Type(□:Tolerance):

Part No	L (μH)	Tolerance	Test Condition	RDC (Ω) max.	IDC (A) max.
PCS62B□T1R5	1.5	N	100KHz, 0.25V	0.049	3.500
PCS62B□T2R2	2.2	N	100KHz, 0.25V	0.050	2.200
PCS62B□T2R9	2.9	N	100KHz, 0.25V	0.070	1.940
PCS62B□T3R3	3.3	N	100KHz, 0.25V	0.075	1.800
PCS62B□T4R0	4.0	N	100KHz, 0.25V	0.080	1.630
PCS62B□T4R7	4.7	N	100KHz, 0.25V	0.090	1.55
PCS62B□T5R5	5.5	N	100KHz, 0.25V	0.100	1.400
PCS62B□T6R8	6.8	N	100KHz, 0.25V	0.100	1.300
PCS62B□T100	10	M	1KHz, 0.25V	0.150	1.100
PCS62B□T120	12	M	1KHz, 0.25V	0.200	1.000
PCS62B□T150	15	M	1KHz, 0.25V	0.230	0.900
PCS62B□T180	18	M	1KHz, 0.25V	0.270	0.800
PCS62B□T220	22	M	1KHz, 0.25V	0.340	0.740
PCS62B□T270	27	M	1KHz, 0.25V	0.380	0.660
PCS62B□T330	33	M	1KHz, 0.25V	0.450	0.590
PCS62B□T390	39	M	1KHz, 0.25V	0.490	0.540
PCS62B□T470	47	M	1KHz, 0.25V	0.690	0.500
PCS62B□T560	56	M	1KHz, 0.25V	0.780	0.460
PCS62B□T680	68	M	1KHz, 0.25V	1.070	0.420
PCS62B□T820	82	M	1KHz, 0.25V	1.210	0.380
PCS62B□T101	100	M	1KHz, 0.25V	1.390	0.340
PCS62B□T121	120	M	1KHz, 0.25V	1.900	0.310
PCS62B□T151	150	M	1KHz, 0.25V	2.180	0.280
PCS62B□T181	180	M	1KHz, 0.25V	2.770	0.260
PCS62B□T221	220	M	1KHz, 0.25V	3.120	0.230
PCS62B□T271	270	M	1KHz, 0.25V	4.380	0.220
PCS62B□T331	330	M	1KHz, 0.25V	4.940	0.190

■Standard Electrical Characteristics

PCS64B Type(□:Tolerance):

Part No	L (μH)	Tolerance	Test Condition	RDC (Ω) max.	IDC (A) max.
PCS64B□T100	10	M	1KHz, 0.25V	0.120	1.350
PCS64B□T120	12	M	1KHz, 0.25V	0.130	1.220
PCS64B□T150	15	M	1KHz, 0.25V	0.180	1.110
PCS64B□T180	18	M	1KHz, 0.25V	0.240	1.020
PCS64B□T220	22	M	1KHz, 0.25V	0.270	0.910
PCS64B□T270	27	M	1KHz, 0.25V	0.300	0.820
PCS64B□T330	33	M	1KHz, 0.25V	0.330	0.740
PCS64B□T390	39	M	1KHz, 0.25V	0.370	0.690
PCS64B□T470	47	M	1KHz, 0.25V	0.520	0.620
PCS64B□T560	56	M	1KHz, 0.25V	0.560	0.580
PCS64B□T680	68	M	1KHz, 0.25V	0.630	0.510
PCS64B□T820	82	M	1KHz, 0.25V	0.710	0.460
PCS64B□T101	100	M	1KHz, 0.25V	1.030	0.420
PCS64B□T121	120	M	1KHz, 0.25V	1.150	0.380
PCS64B□T151	150	M	1KHz, 0.25V	1.680	0.350
PCS64B□T181	180	M	1KHz, 0.25V	1.870	0.320
PCS64B□T221	220	M	1KHz, 0.25V	2.080	0.290
PCS64B□T271	270	M	1KHz, 0.25V	2.370	0.260
PCS64B□T331	330	M	1KHz, 0.25V	2.670	0.230
PCS64B□T391	390	M	1KHz, 0.25V	2.940	0.220
PCS64B□T471	470	M	1KHz, 0.25V	3.930	0.200
PCS64B□T561	560	M	1KHz, 0.25V	5.430	0.180
PCS64B□T681	680	M	1KHz, 0.25V	7.320	0.170
PCS64B□T821	820	M	1KHz, 0.25V	8.240	0.150
PCS64B□T102	1000	M	1KHz, 0.25V	9.260	0.140

■Standard Electrical Characteristics

PCS73 Type(□:Tolerance):

Part No	L (μH)	Tolerance	Test Condition	RDC (Ω) max.	IDC (A) max.
PCS73□T1R0	1.0	N	1KHz, 0.25V	0.016	7.970
PCS73□T1R5	1.5	N	1KHz, 0.25V	0.023	5.500
PCS73□T2R2	2.2	N	1KHz, 0.25V	0.027	4.500
PCS73□T3R3	3.3	N	1KHz, 0.25V	0.031	4.000
PCS73□T3R9	3.9	N	1KHz, 0.25V	0.041	3.800
PCS73□T4R7	4.7	N	1KHz, 0.25V	0.048	3.500
PCS73□T5R6	5.6	N	1KHz, 0.25V	0.056	3.000
PCS73□T6R8	6.8	N	1KHz, 0.25V	0.062	2.000
PCS73□T100	10	M	1KHz, 0.25V	0.072	1.680
PCS73□T120	12	M	1KHz, 0.25V	0.098	1.520
PCS73□T150	15	M	1KHz, 0.25V	0.130	1.330
PCS73□T180	18	M	1KHz, 0.25V	0.140	1.200
PCS73□T220	22	M	1KHz, 0.25V	0.190	1.070
PCS73□T220-1	22	M	1KHz, 0.25V	0.190	1.380
PCS73□T270	27	M	1KHz, 0.25V	0.210	0.960
PCS73□T330	33	M	1KHz, 0.25V	0.240	0.910
PCS73□T390	39	M	1KHz, 0.25V	0.320	0.770
PCS73□T470	47	M	1KHz, 0.25V	0.360	0.760
PCS73□T560	56	M	1KHz, 0.25V	0.470	0.680
PCS73□T680	68	M	1KHz, 0.25V	0.520	0.610
PCS73□T820	82	M	1KHz, 0.25V	0.690	0.570
PCS73□T101	100	M	1KHz, 0.25V	0.790	0.500
PCS73□T121	120	M	1KHz, 0.25V	0.890	0.490
PCS73□T151	150	M	1KHz, 0.25V	1.270	0.430
PCS73□T181	180	M	1KHz, 0.25V	1.450	0.390
PCS73□T221	220	M	1KHz, 0.25V	1.650	0.350
PCS73□T221-1	220	M	1KHz, 1V	1.320	0.420
PCS73□T271	270	M	1KHz, 0.25V	2.310	0.320
PCS73□T271-1	270	M	1KHz, 0.1V	2.000	0.370
PCS73□T331	330	M	1KHz, 0.25V	2.620	0.280
PCS73□T391	390	M	1KHz, 0.25V	2.940	0.260
PCS73□T471	470	M	1KHz, 0.25V	4.180	0.240
PCS73□T471-1	470	M	100KHz, 0.25V	2.850	0.370
PCS73□T561	560	M	1KHz, 0.25V	4.670	0.220
PCS73□T681	680	M	1KHz, 0.25V	5.730	0.190
PCS73□T821	820	M	1KHz, 0.25V	6.540	0.180
PCS73□T821-1	820	M	1KHz, 0.25V	4.821	0.280
PCS73□T102	1000	M	1KHz, 0.25V	9.440	0.160
PCS73□T102-1	1000	M	100KHz, 0.25V	4.690	0.250

Note: PCS73□T471-1 /PCS73□T821-1 / PCS73□T102-1 The DC current at which the inductance becomes 30% lower than its initial value

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Shielded SMD Power Inductor

■Standard Electrical Characteristics

PCS74 Type(□:Tolerance):

Part No	L (μH)	Tolerance	Test Condition	RDC (Ω) max.	IDC (A) max.
PCS74□T1R0	1.0	N	1KHz, 0.25V	0.020	8.000
PCS74□T1R5	1.5	N	1KHz, 0.25V	0.018	7.000
PCS74□T2R2	2.2	N	1KHz, 0.25V	0.028	6.000
PCS74□T3R3	3.3	N	1KHz, 0.25V	0.032	4.800
PCS74□T3R9	3.9	N	1KHz, 0.25V	0.035	4.400
PCS74□T4R7	4.7	N	1KHz, 0.25V	0.038	4.000
PCS74□T5R6	5.6	N	1KHz, 0.25V	0.040	3.500
PCS74□T6R8	6.8	N	1KHz, 0.25V	0.045	3.000
PCS74□T100	10	M	1KHz, 0.25V	0.049	1.840
PCS74□T100-2	10	M	1KHz, 0.25V	0.049	2.60
PCS74□T120	12	M	1KHz, 0.25V	0.058	1.710
PCS74□T150	15	M	1KHz, 0.25V	0.081	1.470
PCS74□T180	18	M	1KHz, 0.25V	0.091	1.310
PCS74□T220	22	M	1KHz, 0.25V	0.110	1.230
PCS74□T270	27	M	1KHz, 0.25V	0.150	1.120
PCS74□T330	33	M	1KHz, 0.25V	0.170	0.960
PCS74□T390	39	M	1KHz, 0.25V	0.230	0.910
PCS74□T470	47	M	1KHz, 0.25V	0.260	0.880
PCS74□T470-1	47	M	1KHz, 0.25V	0.260	1.250
PCS74□T560	56	M	1KHz, 0.25V	0.350	0.750
PCS74□T680	68	M	1KHz, 0.25V	0.380	0.690
PCS74□T820	82	M	1KHz, 0.25V	0.430	0.610
PCS74□T101	100	M	1KHz, 0.25V	0.610	0.600
PCS74□T101-2	100	M	1KHz, 0.25V	0.4979	0.990
PCS74□T121	120	M	1KHz, 0.25V	0.660	0.520
PCS74□T151	150	M	1KHz, 0.25V	0.880	0.460
PCS74□T151-1	150	M	100KHz, 0.25V	0.880	0.810
PCS74□T181	180	M	1KHz, 0.25V	0.980	0.420
PCS74□T221	220	M	1KHz, 0.25V	1.170	0.360
PCS74□T271	270	M	1KHz, 0.25V	1.640	0.340
PCS74□T331	330	M	1KHz, 0.25V	1.860	0.320
PCS74□T331-1	330	M	1KHz, 0.25V	1.860	0.450
PCS74□T391	390	M	1KHz, 0.25V	2.850	0.290
PCS74□T471	470	M	1KHz, 0.25V	3.010	0.260
PCS74□T561	560	M	1KHz, 0.25V	3.620	0.230
PCS74□T681	680	M	1KHz, 0.25V	4.630	0.220
PCS74□T821	820	M	1KHz, 0.25V	5.200	0.200
PCS74□T102	1000	M	1KHz, 0.25V	6.000	0.180

Note: PCS74□T151-1 The DC current at which the inductance becomes 30% lower than its initial value
PCS74□T101-2 The DC current at which the inductance becomes 35% lower than its initial value

■Standard Electrical Characteristics

PCS124 Type(□:Tolerance):

Part No	L (μH)	Tolerance	Test Condition	RDC (Ω) max.	IDC (A) max.
PCS124□T1R5	1.5	N	100KHz, 0.25V	0.008	8.75
PCS124□T2R5	2.5	N	100KHz, 0.25V	0.013	8.00
PCS124□T3R3	3.3	N	100KHz, 0.25V	0.015	6.50
PCS124□T3R9	3.9	N	100KHz, 0.25V	0.015	6.50
PCS124□T4R7	4.7	N	100KHz, 0.25V	0.018	5.70
PCS124□T6R8	6.8	N	100KHz, 0.25V	0.023	4.90
PCS124□T8R2	8.2	N	100KHz, 0.25V	0.026	4.60
PCS124□T100	10	M	100KHz, 0.25V	0.028	4.50
PCS124□T120	12	M	100KHz, 0.25V	0.038	4.00
PCS124□T150	15	M	100KHz, 0.25V	0.050	3.20
PCS124□T180	18	M	100KHz, 0.25V	0.057	3.10
PCS124□T220	22	M	100KHz, 0.25V	0.066	2.90
PCS124□T270	27	M	100KHz, 0.25V	0.080	2.80
PCS124□T330	33	M	100KHz, 0.25V	0.097	2.70
PCS124□T390	39	M	100KHz, 0.25V	0.132	2.10
PCS124□T470	47	M	100KHz, 0.25V	0.150	1.90
PCS124□T560	56	M	100KHz, 0.25V	0.190	1.80
PCS124□T680	68	M	100KHz, 0.25V	0.220	1.50
PCS124□T820	82	M	100KHz, 0.25V	0.260	1.30
PCS124□T101	100	M	100KHz, 0.25V	0.308	1.20
PCS124□T121	120	M	100KHz, 0.25V	0.380	1.10
PCS124□T151	150	M	100KHz, 0.25V	0.530	0.95
PCS124□T151-1	150	K	100KHz, 0.1V	0.440	1.10
PCS124□T181	180	M	100KHz, 0.25V	0.620	0.85
PCS124□T221	220	M	100KHz, 0.25V	0.700	0.80
PCS124□T271	270	M	100KHz, 0.25V	0.876	0.60
PCS124□T331	330	M	100KHz, 0.25V	0.990	0.50
PCS124□T331-1	330	K	100KHz, 0.1V	0.950	0.75

Note: PCS124□T331-1 The DC current at which the inductance becomes 30% lower than its initial value

■Standard Electrical Characteristics

PCS125 Type(□:Tolerance):

Part No	L (μH)	Tolerance	Test Condition	RDC (Ω) max.	IDC (A) max.
PCS125□T1R3	1.3	N	100KHz, 0.25V	0.012	8.00
PCS125□T2R1	2.1	N	100KHz, 0.25V	0.014	7.00
PCS125□T2R2	2.2	N	100KHz, 0.25V	0.014	7.00
PCS125□T3R1	3.1	N	100KHz, 0.25V	0.017	6.00
PCS125□T3R3	3.3	N	100KHz, 0.25V	0.014	6.75
PCS125□T4R4	4.4	N	100KHz, 0.25V	0.020	5.00
PCS125□T4R7	4.7	N	100KHz, 0.25V	0.018	6.20
PCS125□T5R8	5.8	N	100KHz, 0.25V	0.021	4.40
PCS125□T6R8	6.8	N	100KHz, 0.25V	0.023	5.90
PCS125□T7R5	7.5	N	100KHz, 0.25V	0.024	4.20
PCS125□T8R2	8.2	N	100KHz, 0.25V	0.024	4.10
PCS125□T100	10	M	1KHz, 0.25V	0.025	4.00
PCS125□T100-1	10	M	100KHz, 0.25V	0.0265	5.25
PCS125□T120	12	M	1KHz, 0.25V	0.027	3.50
PCS125□T150	15	M	1KHz, 0.25V	0.030	3.30
PCS125□T150-1	15	M	1KHz, 0.25V	0.030	4.55
PCS125□T180	18	M	1KHz, 0.25V	0.034	3.00
PCS125□T220	22	M	1KHz, 0.25V	0.036	2.80
PCS125□T270	27	M	1KHz, 0.25V	0.051	2.30
PCS125□T270-1	27	M	1KHz, 0.25V	0.051	3.55
PCS125□T330	33	M	1KHz, 0.25V	0.057	2.10
PCS125□T390	39	M	1KHz, 0.25V	0.068	2.00
PCS125□T470	47	M	1KHz, 0.25V	0.075	1.80
PCS125□T560	56	M	1KHz, 0.25V	0.110	1.70
PCS125□T680	68	M	1KHz, 0.25V	0.120	1.50
PCS125□T680-1	68	M	1KHz, 0.25V	0.110±30%	2.70
PCS125□T820	82	M	1KHz, 0.25V	0.140	1.40
PCS125□T101	100	M	1KHz, 0.25V	0.160	1.30
PCS125□T121	120	M	1KHz, 0.25V	0.170	1.10
PCS125□T151	150	M	1KHz, 0.25V	0.230	1.00
PCS125□T181	180	M	1KHz, 0.25V	0.290	0.90
PCS125□T221	220	M	1KHz, 0.25V	0.400	0.80
PCS125□T271	270	M	1KHz, 0.25V	0.460	0.75
PCS125□T331	330	M	1KHz, 0.25V	0.510	0.68
PCS125□T391	390	M	1KHz, 0.25V	0.690	0.65
PCS125□T471	470	M	1KHz, 0.25V	0.770	0.58
PCS125□T561	560	M	1KHz, 0.25V	0.860	0.54
PCS125□T681	680	M	1KHz, 0.25V	1.200	0.48
PCS125□T821	820	M	1KHz, 0.25V	1.340	0.43
PCS125□T102	1000	M	1KHz, 0.25V	1.530	0.40
PCS125□T152	1500	M	1KHz, 0.25V	2.800	0.50

Note: PCS125□T680-1 The DC current at which the inductance becomes 35% lower than its initial value

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Shielded SMD Power Inductor

■Standard Electrical Characteristics

PCS127 Type(□:Tolerance):

Part No	L (μH)	Tolerance	Test Condition	RDC (Ω) max.	IDC (A) max.
PCS127□T1R0	1.0	N	100KHz, 0.25V	0.007	10.00
PCS127□T1R2	1.2	N	100KHz, 0.25V	0.007	9.80
PCS127□T1R8	1.8	N	100KHz, 0.25V	0.011	8.50
PCS127□T2R2	2.2	N	100KHz, 0.25V	0.010	8.50
PCS127□T2R4	2.4	N	100KHz, 0.25V	0.012	8.00
PCS127□T2R7	2.7	N	100KHz, 0.25V	0.012	8.00
PCS127□T3R3	3.3	N	100KHz, 0.25V	0.013	7.80
PCS127□T3R5	3.5	N	100KHz, 0.25V	0.014	7.50
PCS127□T4R7	4.7	N	100KHz, 0.25V	0.016	6.80
PCS127□T5R6	5.6	N	100KHz, 0.25V	0.014	6.70
PCS127□T6R1	6.1	N	100KHz, 0.25V	0.018	6.60
PCS127□T6R8	6.8	N	100KHz, 0.25V	0.014	6.40
PCS127□T7R6	7.6	N	100KHz, 0.25V	0.020	5.90
PCS127□T8R2	8.2	N	100KHz, 0.25V	0.016	6.32
PCS127□T100	10	M	1KHz, 0.25V	0.022	5.40
PCS127□T120	12	M	1KHz, 0.25V	0.024	4.90
PCS127□T150	15	M	1KHz, 0.25V	0.027	4.50
PCS127□T180	18	M	1KHz, 0.25V	0.039	3.90
PCS127□T220	22	M	1KHz, 0.25V	0.043	3.60
PCS127□T220-2	22	M	1KHz, 0.25V	0.043	5.00
PCS127□T220-3	22	M	1KHz, 0.25V	0.048	5.80
PCS127□T270	27	M	1KHz, 0.25V	0.046	3.40
PCS127□T330	33	M	1KHz, 0.25V	0.065	3.00
PCS127□T330-2	33	M	100KHz, 1V	0.053	4.30
PCS127□T390	39	M	1KHz, 0.25V	0.073	2.75
PCS127□T470	47	M	1KHz, 0.25V	0.100	2.50
PCS127□T560	56	M	1KHz, 0.25V	0.110	2.35
PCS127□T680	68	M	1KHz, 0.25V	0.140	2.10
PCS127□T820	82	M	1KHz, 0.25V	0.160	1.95
PCS127□T101	100	M	1KHz, 0.25V	0.220	1.70
PCS127□T101-1	100	M	1KHz, 1V	0.150	2.00
PCS127□T101-2	100	M	1KHz, 0.25V	0.220	2.40
PCS127□T121	120	M	1KHz, 0.25V	0.250	1.60
PCS127□T151	150	M	1KHz, 0.25V	0.280	1.42
PCS127□T151-1	150	M	1KHz, 0.25V	0.227	1.80
PCS127□T181	180	M	1KHz, 0.25V	0.350	1.30
PCS127□T221	220	M	1KHz, 0.25V	0.390	1.16
PCS127□T271	270	M	1KHz, 0.25V	0.560	1.06
PCS127□T331	330	M	1KHz, 0.25V	0.640	0.95
PCS127□T391	390	M	1KHz, 0.25V	0.700	0.88
PCS127□T471	470	M	1KHz, 0.25V	0.980	0.79
PCS127□T561	560	M	1KHz, 0.25V	1.070	0.73
PCS127□T681	680	M	1KHz, 0.25V	1.460	0.67
PCS127□T821	820	M	1KHz, 0.25V	1.640	0.60
PCS127□T102	1000	M	1KHz, 0.25V	1.820	0.55
PCS127□T222-1	2200	M	100KHz, 0.25V	3.250	0.65

Note: PCS127□T222-1 The DC current at which the inductance becomes 30% lower than its initial value
PCS127□T220-3/ PCS127□T330-2 The DC current at which the inductance becomes 35% lower than its initial value

■Standard Electrical Characteristics

PCS129 Type(□:Tolerance):

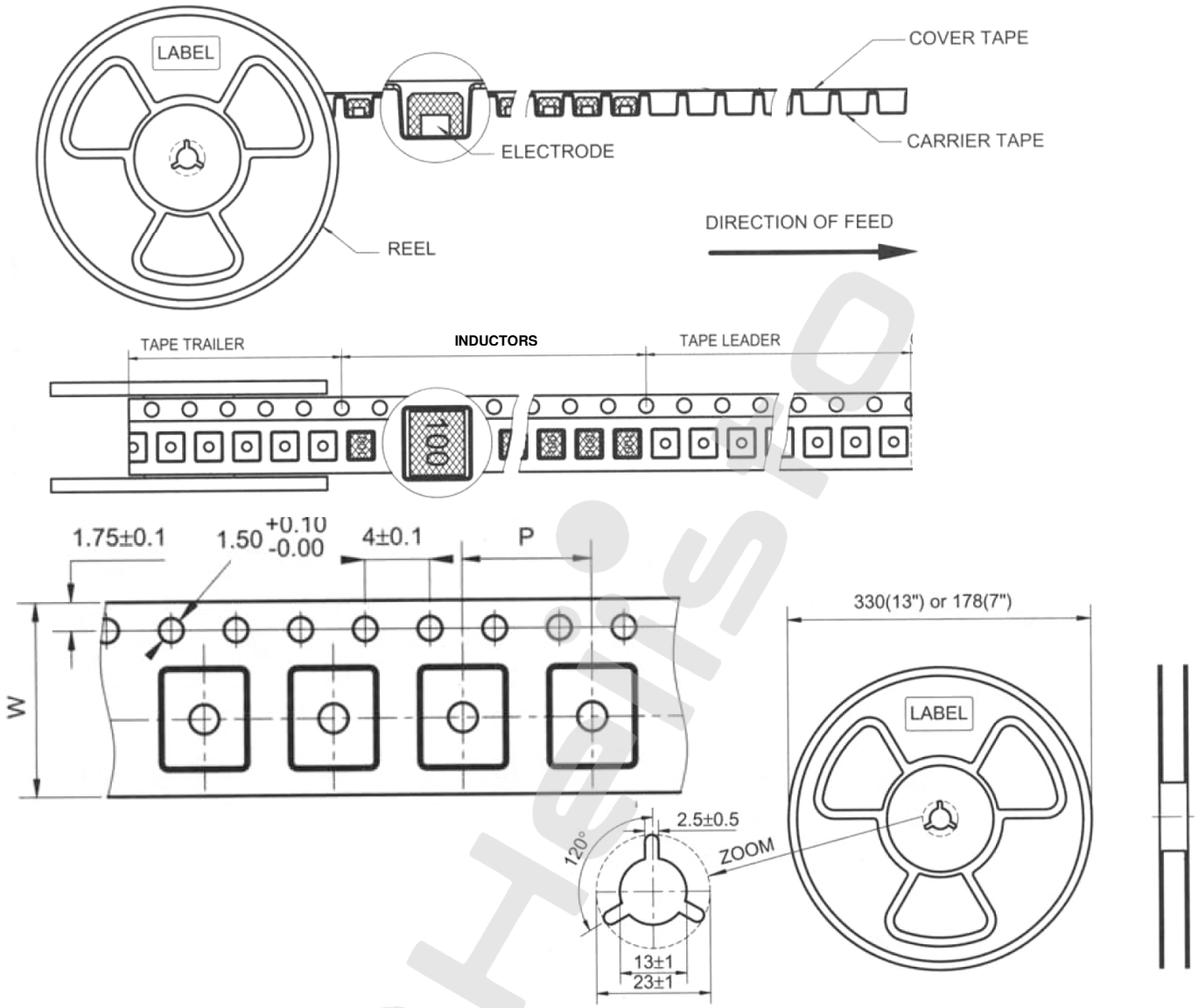
Part No	L (μH)	Tolerance	Test Condition	RDC (Ω) max.	IDC (A) max.
PCS129□T1R0	1.0	N	100KHz, 0.25V	0.007	17.00
PCS129□T1R5	1.5	N	100KHz, 0.25V	0.005	16.00
PCS129□T2R4	2.4	N	100KHz, 0.25V	0.006	15.00
PCS129□T3R3	3.3	N	100KHz, 0.25V	0.009	14.00
PCS129□T3R5	3.5	N	100KHz, 0.25V	0.009	14.00
PCS129□T6R8	6.8	N	100KHz, 0.25V	0.013	10.00
PCS129□T8R2	8.2	N	100KHz, 0.25V	0.015	8.20
PCS129□T100	10	M	1KHz, 0.25V	0.018	7.50
PCS129□T120	12	M	1KHz, 0.25V	0.019	7.00
PCS129□T150	15	M	1KHz, 0.25V	0.024	6.00
PCS129□T180	18	M	1KHz, 0.25V	0.031	5.50
PCS129□T220	22	M	1KHz, 0.25V	0.039	5.00
PCS129□T270	27	M	1KHz, 0.25V	0.040	5.80
PCS129□T330	33	M	1KHz, 0.25V	0.050	4.00
PCS129□T390	39	M	1KHz, 0.25V	0.059	3.80
PCS129□T470	47	M	1KHz, 0.25V	0.069	3.50
PCS129□T560	56	M	1KHz, 0.25V	0.079	3.20
PCS129□T680	68	M	1KHz, 0.25V	0.088	3.00
PCS129□T820	82	M	1KHz, 0.25V	0.110	2.60
PCS129□T101	100	M	1KHz, 0.25V	0.140	2.20
PCS129□T121	120	M	1KHz, 0.25V	0.160	2.00
PCS129□T151	150	M	1KHz, 0.25V	0.200	1.80
PCS129□T181	180	M	1KHz, 0.25V	0.270	1.60
PCS129□T221	220	M	1KHz, 0.25V	0.300	1.50
PCS129□T271	270	M	1KHz, 0.25V	0.400	1.30
PCS129□T331	330	M	1KHz, 0.25V	0.450	1.20
PCS129□T391	390	M	1KHz, 0.25V	0.550	1.10
PCS129□T471	470	M	1KHz, 0.25V	0.600	1.00
PCS129□T561	560	M	1KHz, 0.25V	0.700	0.90
PCS129□T681	680	M	1KHz, 0.25V	0.840	0.82
PCS129□T821	820	M	1KHz, 0.25V	1.060	0.80
PCS129□T102	1000	M	1KHz, 0.25V	1.270	0.76

■High Current Electrical Characteristics

PCSH127 Type(□:Tolerance):

Part No	L (uH)	Tolerance	Test Condition	DCR (Ω) Max	IDC (A) Max
PCSH127□T2R2	2.2	N	100KHz, 0.25V	0.007	25.5
PCSH127□T4R7	4.7	N	100KHz, 0.25V	0.016	15.9
PCSH127□T5R6	5.6	N	100KHz, 0.25V	0.020	14.0
PCSH127□T6R8	6.8	N	100KHz, 0.25V	0.021	13.3
PCSH127□T8R2	8.2	N	100KHz, 0.25V	0.023	12.2
PCSH127□T100	10	M	100KHz, 0.25V	0.024	11.2
PCSH127□T150	15	M	100KHz, 0.25V	0.031	9.00
PCSH127□T180	18	M	100KHz, 0.25V	0.035	7.70
PCSH127□T220	22	M	100KHz, 0.25V	0.040	7.57
PCSH127□T330	33	M	100KHz, 0.25V	0.070	6.22
PCSH127□T390	39	M	100KHz, 0.25V	0.075	5.40
PCSH127□T470	47	M	100KHz, 0.25V	0.080	5.28
PCSH127□T560	56	M	100KHz, 0.25V	0.130	4.50
PCSH127□T680	68	M	100KHz, 0.25V	0.105	4.26
PCSH127□T820	82	M	100KHz, 0.25V	0.143	3.80
PCSH127□T101	100	M	100KHz, 0.25V	0.163	3.52
PCSH127□T121	120	M	100KHz, 0.25V	0.170	3.20
PCSH127□T151	150	M	100KHz, 0.25V	0.247	3.01
PCSH127□T221	220	M	100KHz, 0.25V	0.376	2.36
PCSH127□T331	330	M	100KHz, 0.25V	0.574	2.00
PCSH127□T391	390	M	100KHz, 0.25V	0.650	1.50
PCSH127□T471	470	M	100KHz, 0.25V	0.861	1.64
PCSH127□T681	680	M	100KHz, 0.25V	1.080	1.38
PCSH127□T821	820	M	100KHz, 0.25V	1.470	1.26
PCSH127□T102	1000	M	100KHz, 0.25V	1.660	1.14

■Tape and Reel specifications



Unit: mm

Type	Tape size		Parts Per Reel
	W	P	13″
PCS62B	16	12	1500
PCS64B	16	12	1000
PCS73	16	12	1000
PCS74	16	12	1000
PCS124	24	16	500
PCS125	24	16	400
PCS127	24	16	400
PCS129	24	16	300
PCSH127	24	16	500

■ SMT Power Inductor Environmental Specifications

General

Items	Specifications
Shelf Storage conditions	Temperature range: 15~28℃ ; Humidity: <80% relative humidity. Recommended product should be used within one year from the time of delivery.

Environmental test

Test Items	Specifications	Test Conditions / Test Methods
High temperature Storage test	No case deformation or change in appearance. △ L/L≦10%	Temperature 85±2℃, Time: 48±2 hours, Tested after 1hour at room temperature.
Low temperature Storage test		Temperature -25±2℃, Time: 48±2 hours, Tested after 1hour at room temperature.
Humidity test		Temperature 40±2℃, 90~95% relative humidity Time: 96±2 hours Tested after 1hour at room temperature.
Thermal shock test		First -25℃ 30minutes then 25℃ 10 minutes last 85℃ 30 minutes, as 1 cycle. Go through 5 cycles. Tested after 1 hour at room temperature.

Mechanical test

Test Items	Specifications	Test Conditions / Test Methods
Solder ability test	Terminal area must have 90% minimum solder coverage.	Dip pads in flux then dip in solder pot (SnCuNi) at 245±5℃ for 3 seconds.
Resistance to Soldering Heat	No case deformation or change in appearance.	Flux should cover the whole of the sample before heating, then be preheated for about 2 minutes over temperature of 130~150℃. Immersing to 260±5℃ for 10 seconds.
Vibration test	No case deformation or change in appearance. △ L/L≦10%	Apply frequency 10~55Hz. 1.5mm amplitude in each of perpendicular direction for 2 hours.
Shock resistance		Drop down with 981m/s^2(100G) shock attitude upon a rubber block method shock testing machine, for 1 time. In each of three orientations.

The condition of reflow (recommendation)

