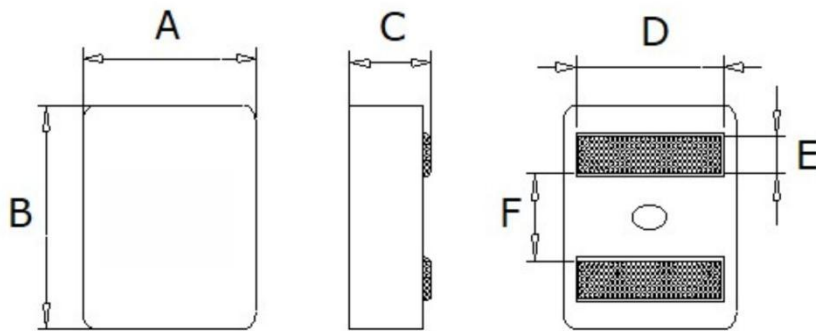
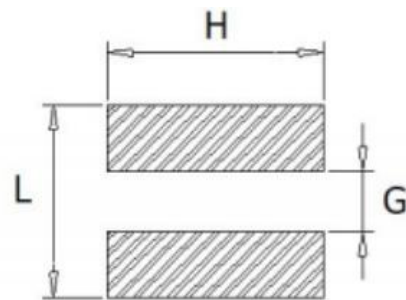


SMD Power Inductors

◆ DIMENSION (:mm)




A	8.9 ± 0.3
B	8.5 ± 0.3
C	7.7 ± 0.3
D	See Spec table
E	1.8 ± 0.2
F	3.5 ± 0.3
G	2.7ref
H	7.8ref
L	8.0ref



Recommend Land Pattern

TEST INSTRUMENTS	
<input type="checkbox"/>	HP4192A ZLCR
<input type="checkbox"/>	HP4284A LCR
<input type="checkbox"/>	HP4285A LCR
<input type="checkbox"/>	HP4263B LCR
<input checked="" type="checkbox"/>	ZT 1320
<input checked="" type="checkbox"/>	ZT 1320A
<input checked="" type="checkbox"/>	CH1062
<input checked="" type="checkbox"/>	UC2517B

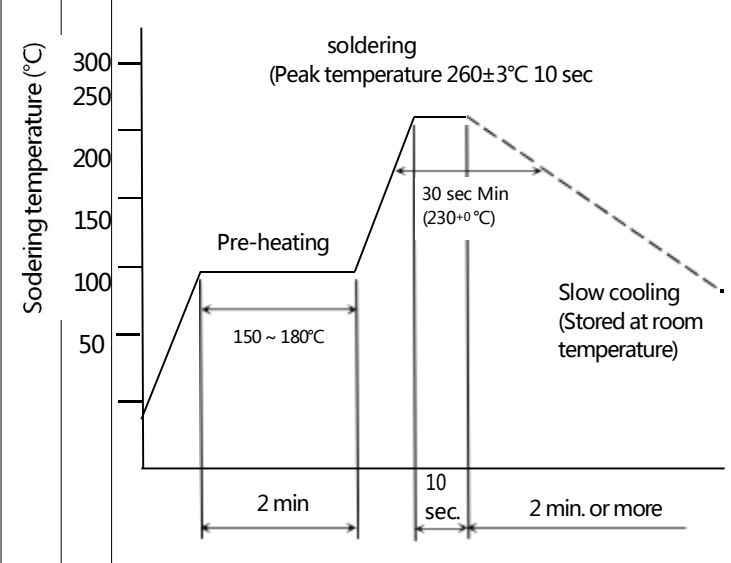


Pb-free

◆ SPECIFICATION

Test frequency	100KHz/0.1V					DCR (mΩ) MAX	D (mm) ±0.3
WS Part No	L0 (uH) ±20%	Isat (A)		Irms (A) Typ			
		Max	Typ	20°C rise	40°C rise		
SLO0880T1R8MTT	1.8	24	28	18	24	4	7.2
SLO0880T2R2MTT	2.2	22	25	16	21.5	4.3	7.2
SLO0880T3R3MTT	3.3	20	23	13.5	18	7.3	6.9
SLO0880T4R7MTT	4.7	17	19	10.5	14.6	9.8	6.9
SLO0880T6R8MTT	6.8	12.5	14.5	8	11.3	14.3	6.9
SLO0880T100MTT	10	10	11	6.6	8.7	22.9	6.9

MECHANICAL

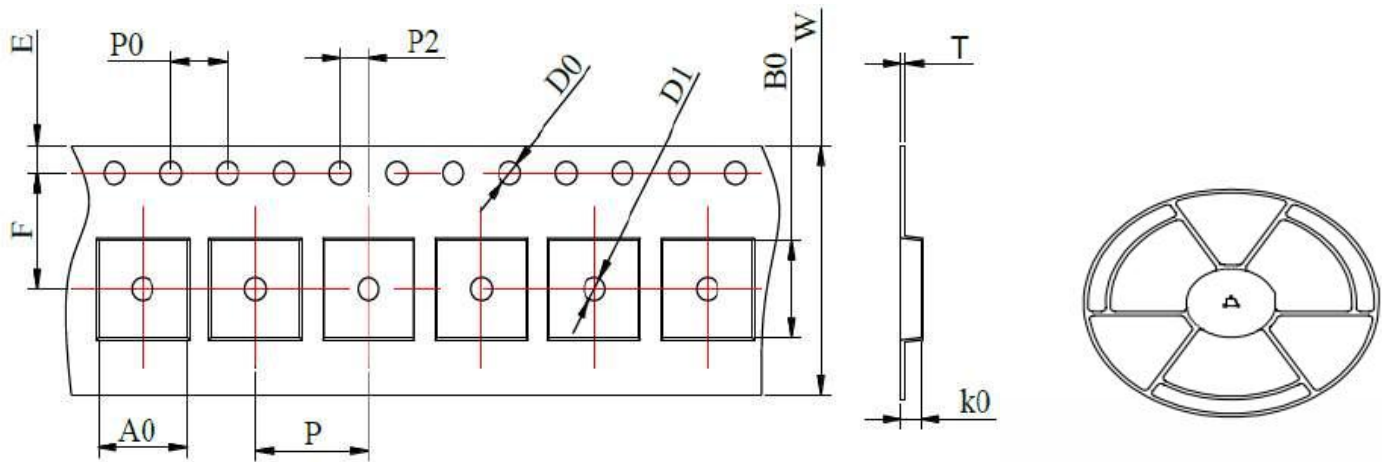
TEST ITEM	SPECIFICATION	
Resistance to Soldering heat (reflow soldering)	There shall be no damage or problems.	<p>Temperature profile of reflow soldering</p>  <p>The specimen shall be passed through the reflow oven with the condition shown in the above profile for 1 time.</p> <p>The specimen shall be stored at standard atmospheric conditions for 1 hour, after which the measurement shall be made.</p>

ELECTRICAL

TEST ITEM	SPECIFICATION	TEST DETAILS
Insulation resistance	There shall be no other damage or problems.	DC 100V voltage shall be applied across this sample of top surface and the terminal. The insulation resistance shall be more than $1 \times 10^8 \Omega$.
Dielectric withstand voltage	There shall be no other damage or problems.	AC 100V voltage shall be applied for 1 minute across the top surface and the terminal of this sample
Temperature characteristics	$\Delta L/L 20C \pm 10\%$ 0 ~ 2000 ppm/C	The test shall be performed after the sample has stabilized in an ambient temperature of - 40 to + 125C, and the value calculated based on the value applicable in a normal temperature and normal humidity shall be $\Delta L/L 20C \pm 10\%$.

ENVIROMENT CHARACTERISTICS

TEST ITEM	SPECIFICATION																	
High temperature storage	$\Delta L/Lo \leq \pm 5\%$ There shall be no mechanical damage.	The sample shall be left for 500 hours in an atmosphere with a temperature of $125 \pm 2^\circ\text{C}$ and a normal humidity. Upon completion of the measurement shall be made after the sample has been left in a normal temperature and normal humidity for 1 hour.																
Low temperature storage	$\Delta L/Lo \leq \pm 5\%$ There shall be no mechanical damage.	The sample shall be left for 500 hours in an atmosphere with a temperature of $-40 \pm 3^\circ\text{C}$. Upon completion of the test, the measurement shall be made after the sample has been left in a normal temperature and normal humidity for 1 hour.																
Change of temperature	$\Delta L/Lo \leq \pm 5\%$ There shall be no other damage of problems	The sample shall be subject to 5 continuous cycles, such as shown in the table 2 below and then it shall be subjected to standard atmospheric conditions for 1 hour, after which measurement shall be made.																
table 2																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 15%;">Temperature</th> <th style="width: 15%;">Duration</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">$-40 \pm 3^\circ\text{C}$ (Thermostat No.1)</td> <td style="text-align: center;">10 min.</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Standard atmospheric</td> <td style="text-align: center;">5 sec. or less No. 1 → No.2</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">$125 \pm 2^\circ\text{C}$ (Thermostat No.2)</td> <td style="text-align: center;">30 min.</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">Standard atmospheric</td> <td style="text-align: center;">5 sec. or less No.2 → No. 1</td> </tr> </tbody> </table>					Temperature	Duration	1	$-40 \pm 3^\circ\text{C}$ (Thermostat No.1)	10 min.	2	Standard atmospheric	5 sec. or less No. 1 → No.2	3	$125 \pm 2^\circ\text{C}$ (Thermostat No.2)	30 min.	4	Standard atmospheric	5 sec. or less No.2 → No. 1
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4	Standard atmospheric	5 sec. or less No.2 → No. 1																
Moisutire storage	$\Delta L/Lo \leq \pm 5\%$ There shall be no mechanical damage.	The sample shall be left for 500 hours in a temperature of $40 \pm 2^\circ\text{C}$ and a humidity(RH) of 90~95%. Upon completion of the test, the measurement shall be made after the sample has been left in a normal temperature and normal humidity more than 1 hour.																
Test conditions : The sample shall be reflow soldered onto the printed circuit board in every test.																		

◆ PACKAGING INFORMATION (Unit: mm)

Tape dimensions (mm)

W	P	P0	P2	D0	D1	T	A0	B0	K0	E	F	Packing Quantity
24±0.3	16±0.1	4±0.1	2±0.05	1.5±0.1	1.5±0.1	0.35±0.06	9.4±0.1	8.5±0.1	8.5±0.1	1.75±0.1	11.5±0.1	450pcs/reel

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[PE-53601NL](#) [PE-53602NL](#) [PG0936.113NLT](#) [9220-20](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#) [1206CS-471XJ](#) [HC2-R47-R](#) [HC8-1R2-R](#)
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