

Leadless Power Inductors

PLC-1255Series

[Comply with RoHS]

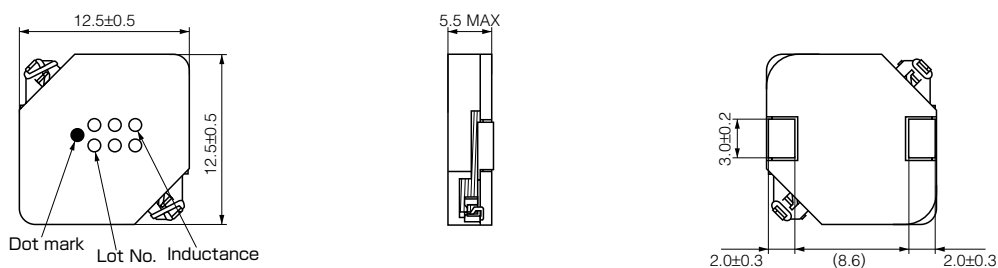


Model	Inductance at 100kHz, 1mA (μ H)	DC resistance RDC (m Ω) max.	Rated current (A)		
			I _{rms} *1	I _{sat} (Ref.)*2 at 20°C	I _{sat} (Ref.)*2 at 100°C
PLC-1255-2R0	2.0 $\pm$ 30%	12	7.8	13.3	9.6
PLC-1255-3R3	3.3 $\pm$ 30%	13	7.5	10.4	7.5
PLC-1255-4R7	4.7 $\pm$ 30%	15	7.4	9.5	7.3
PLC-1255-5R6	5.6 $\pm$ 30%	17	7.2	9.1	6.8
PLC-1255-6R8	6.8 $\pm$ 30%	19	6.8	8.4	6.0
PLC-1255-8R2	8.2 $\pm$ 30%	24	6.1	7.3	5.4
PLC-1255-100	10.0 $\pm$ 20%	25	5.8	6.6	4.6
PLC-1255-120	12.0 $\pm$ 20%	27	5.2	6.3	4.5
PLC-1255-150	15.0 $\pm$ 20%	38	4.4	5.8	4.2
PLC-1255-180	18.0 $\pm$ 20%	44	4.2	5.7	4.1
PLC-1255-220	22.0 $\pm$ 20%	47	3.9	4.6	3.4
PLC-1255-330	33.0 $\pm$ 20%	70	3.4	4.0	2.9

※1 T=40K rise at rated current. ※2 Inductance drop 30% at rated current.

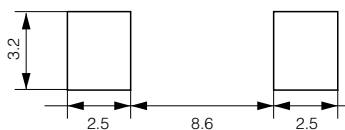
●Operating temperature range : -25to+120°C(without self-temperature rise)

Shape and Dimensions



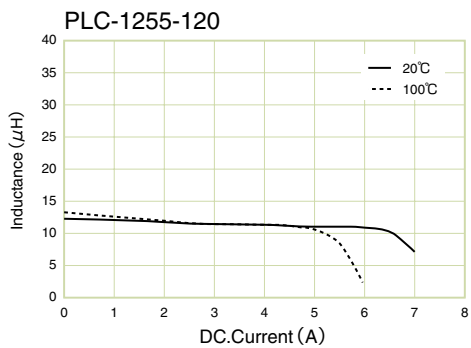
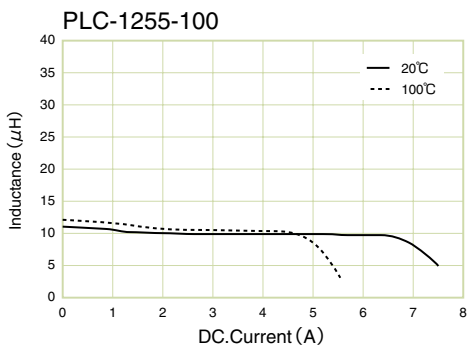
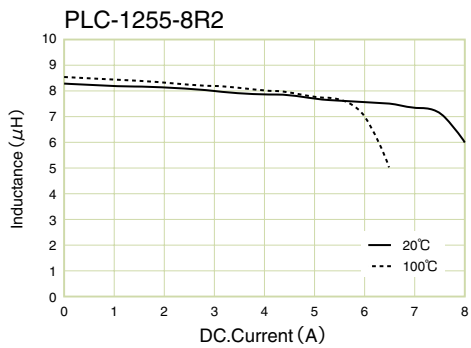
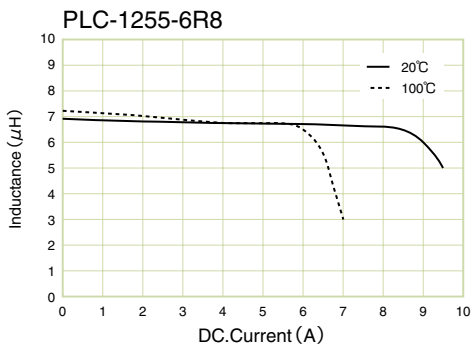
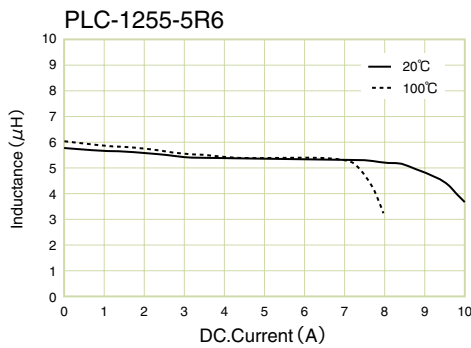
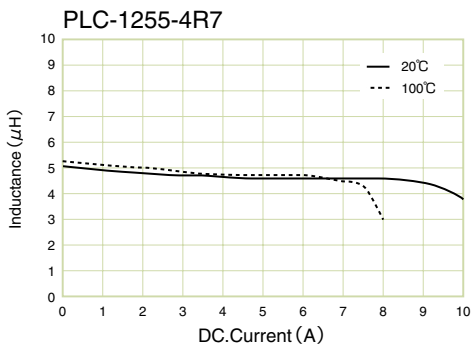
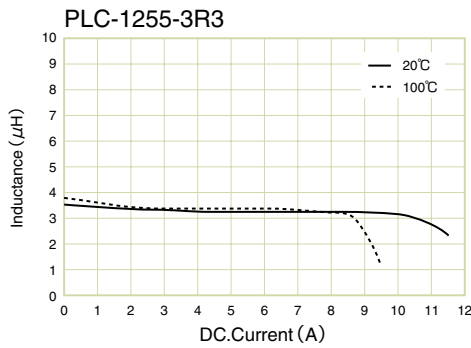
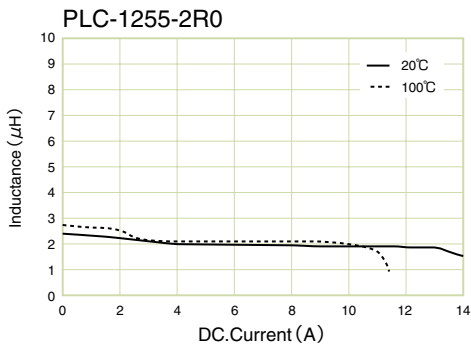
[mm]

Recommended Land Pattern

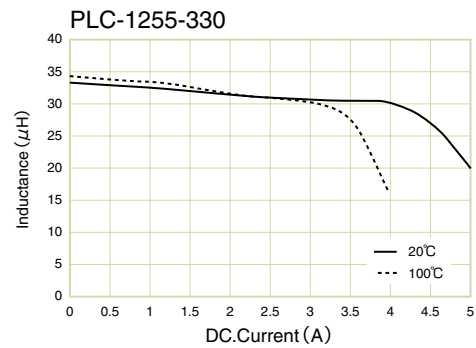
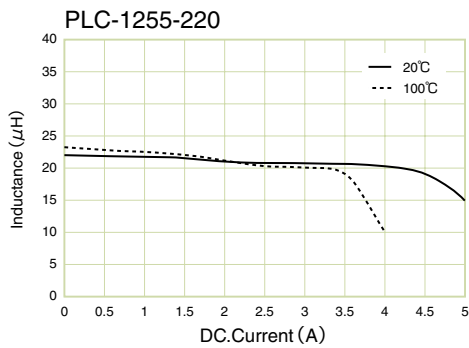
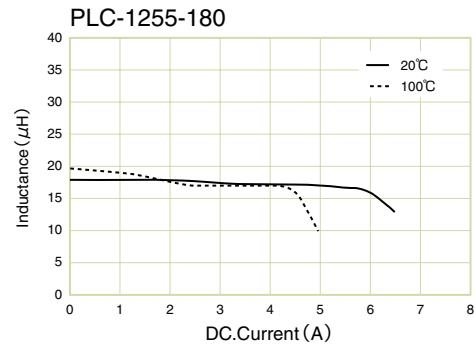
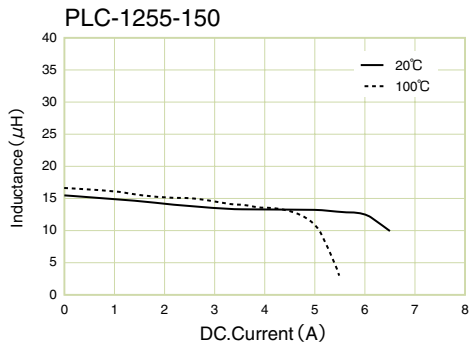


[mm]

DC-Superposed Characteristics

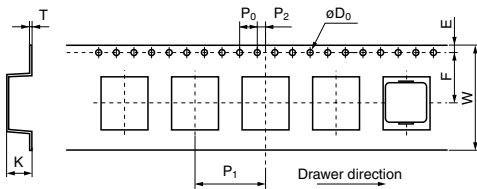


DC-Superposed Characteristics



PLC-1255Series

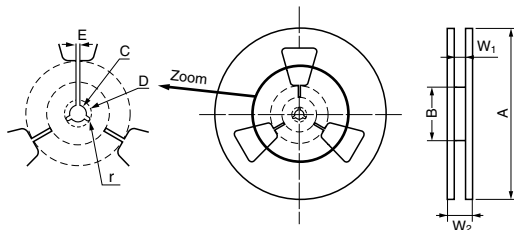
Dimensions of indented square hole plastic tape



	W	F	E	P1	P2	P0	øD0	T	K
	± 0.3	± 0.1	± 0.1	± 0.1	± 0.1	± 0.1	± 0.05	± 0.05	± 0.1
1255 Series	24.0	11.5	1.75	16.0	2.0	4.0	1.55	0.4	5.8

	pcs./reel
1255 Series	700

Reel dimensions



A	B	C	D	E	r	W1	W2
± 5	± 5	± 0.5	± 0.8	± 0.5	R1.0	± 0.5	± 0.5
380	80	13.5	21.0	2.0	R1.0	25.5	29.5