

Leadless Power Inductors PLC-1235 Series

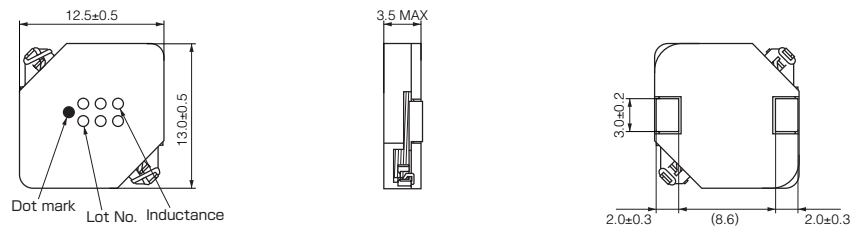
[RoHS Compliant]



Model	Inductance at 100kHz, 1mA (μ H)	DC resistance RDC (m Ω) max.	I _{rms} *1	Rated current (A) I _{sat} (Ref.) *2	
				at 20°C	at 100°C
PLC-1235-2R0S	2.0 \pm 30%	15	6.7	12.3	9.1
PLC-1235-3R3S	3.3 \pm 30%	19	6.0	9.6	7.1
PLC-1235-4R7S	4.7 \pm 30%	27	5.4	8.5	6.5
PLC-1235-5R6S	5.6 \pm 30%	35	4.5	7.7	6.0
PLC-1235-6R8S	6.8 \pm 30%	39	4.3	6.7	5.1
PLC-1235-8R2S	8.2 \pm 30%	53	3.6	6.2	4.6
PLC-1235-100S	10.0 \pm 20%	58	3.5	6.0	4.5
PLC-1235-120S	12.0 \pm 20%	65	3.2	5.9	4.4
PLC-1235-150S	15.0 \pm 20%	77	3.1	5.4	4.0
PLC-1235-180S	18.0 \pm 20%	120	2.2	4.8	3.3
PLC-1235-220S	22.0 \pm 20%	140	2.1	4.3	3.0
PLC-1235-330S	33.0 \pm 20%	170	1.8	3.3	2.5

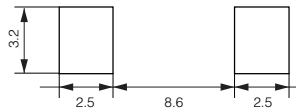
*1 T=40K rise at rated current. *2 Inductance drop 30% at rated current.
 ●Operating temperature range : -20to+120°C(Including self-temperature rise)

Shape and Dimensions



[mm]

Recommended Land Pattern

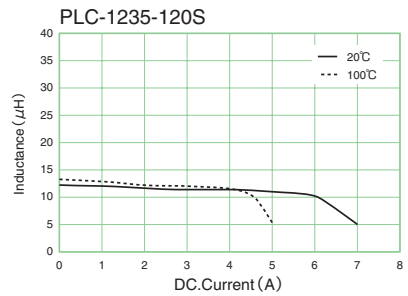
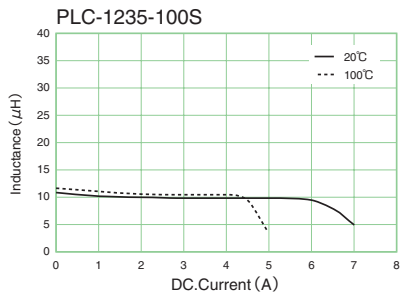
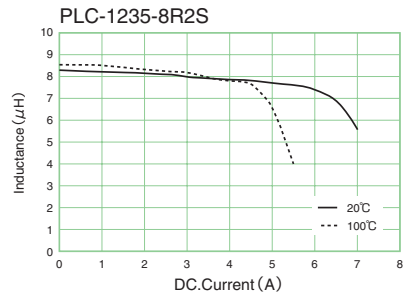
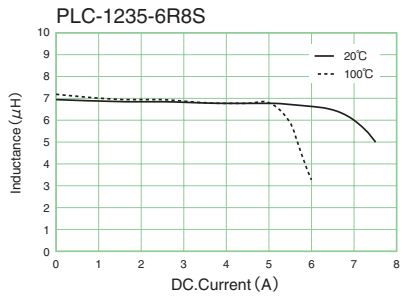
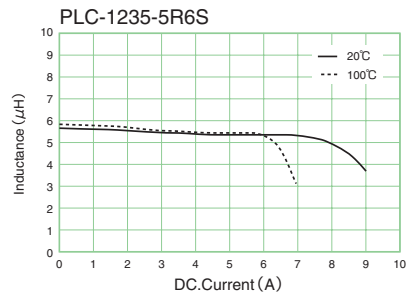
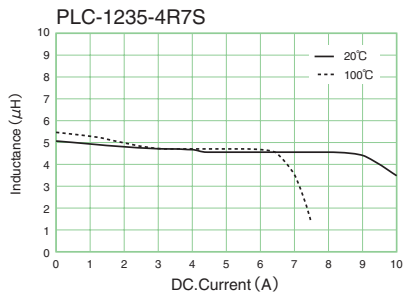
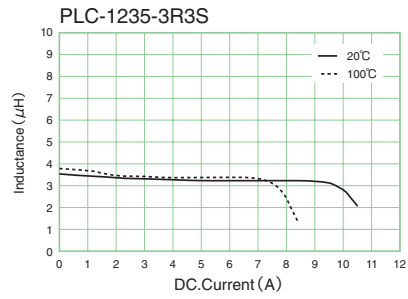
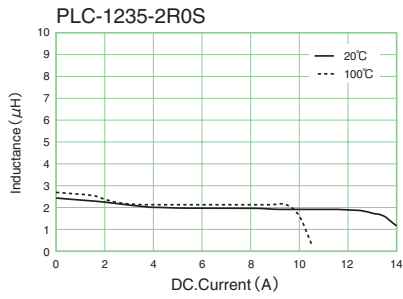


[mm]



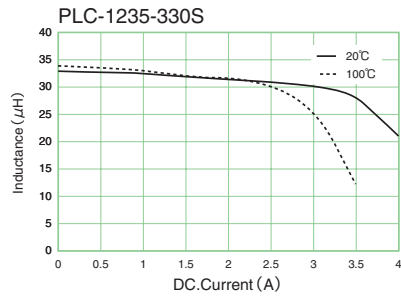
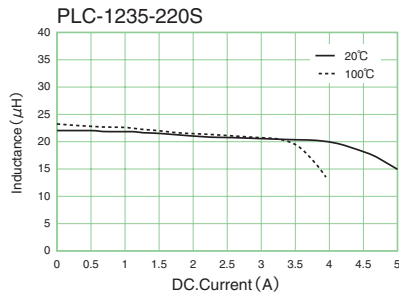
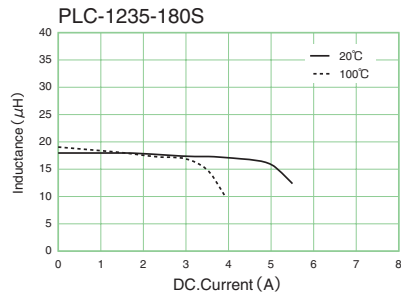
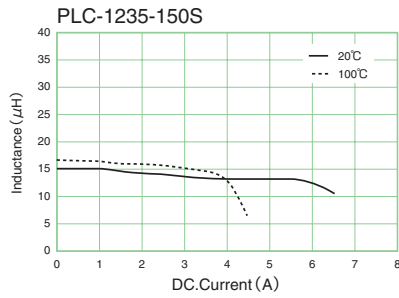
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- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.

DC-Superposed Characteristics



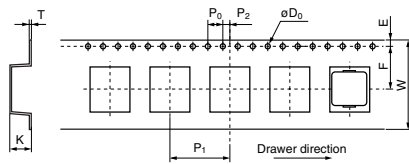
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DC-Superposed Characteristics



PLC-1235 Series

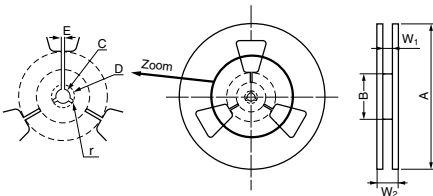
Dimensions of indented square hole plastic tape



	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
1235 Series	24.0	11.5	1.75	16.0	2.0	4.0	1.55	0.4	3.8

	pcs./reel
1235 Series	700

Reel dimensions



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



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