

Leadless Power Inductors PLC-1255 Series

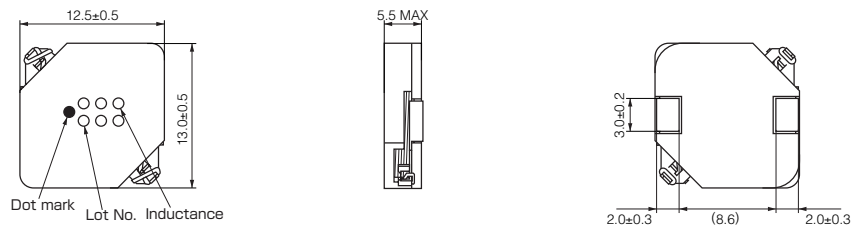
[RoHS Compliant]



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	at 100°C
PLC-1255-2R0S	2.0 \pm 30%	12	7.8	13.3	9.6
PLC-1255-3R3S	3.3 \pm 30%	13	7.5	10.4	7.5
PLC-1255-4R7S	4.7 \pm 30%	15	7.4	9.5	7.3
PLC-1255-5R6S	5.6 \pm 30%	17	7.2	9.1	6.8
PLC-1255-6R8S	6.8 \pm 30%	19	6.8	8.4	6.0
PLC-1255-8R2S	8.2 \pm 30%	24	6.1	7.3	5.4
PLC-1255-100S	10.0 \pm 20%	25	5.8	6.6	4.6
PLC-1255-120S	12.0 \pm 20%	27	5.2	6.3	4.5
PLC-1255-150S	15.0 \pm 20%	38	4.4	5.8	4.2
PLC-1255-180S	18.0 \pm 20%	44	4.2	5.7	4.1
PLC-1255-220S	22.0 \pm 20%	47	3.9	4.6	3.4
PLC-1255-330S	33.0 \pm 20%	70	3.4	4.0	2.9

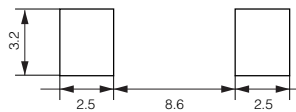
*1 T=40K rise at rated current. *2 Inductance drop 30% at rated current.
 ●Operating temperature range : -20to+120°C(Including self-temperature rise)

Shape and Dimensions



[mm]

Recommended Land Pattern

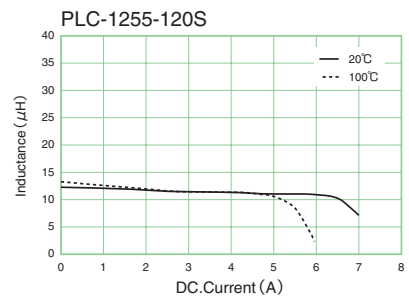
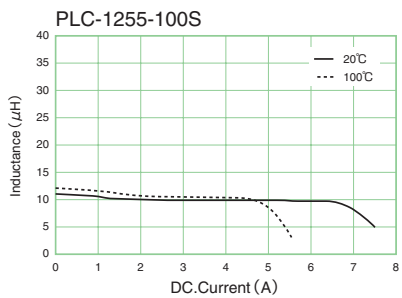
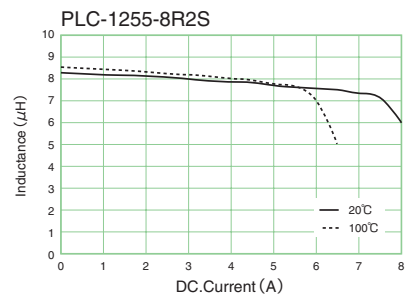
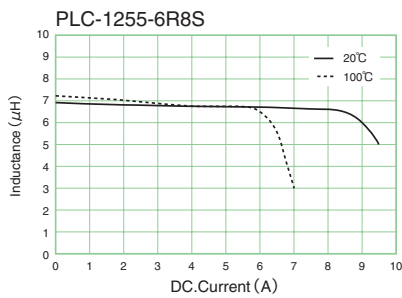
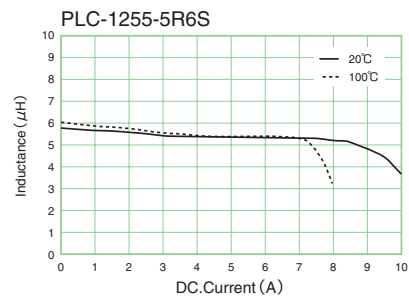
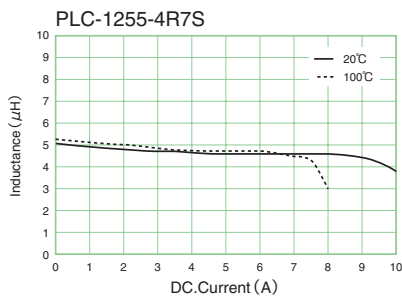
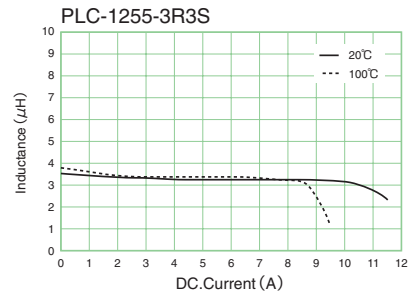
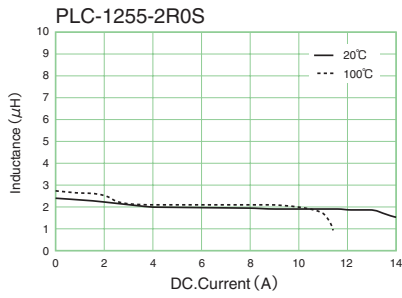


[mm]



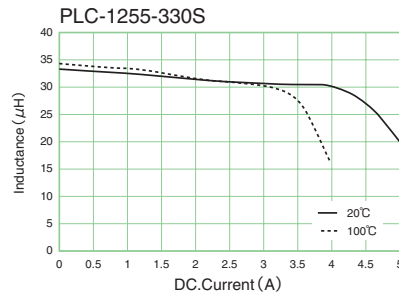
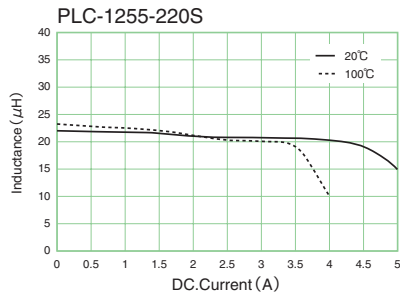
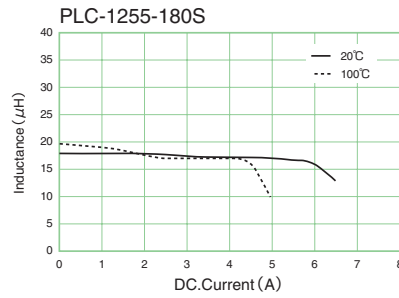
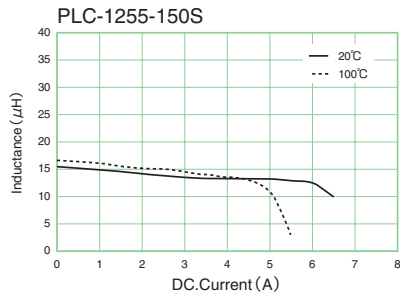
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- Please request for a specification sheet for detailed product data prior to the purchase.
- Before using the product in this catalog, please read "Precautions" and other safety precautions listed in the printed version catalog.

DC-Superposed Characteristics



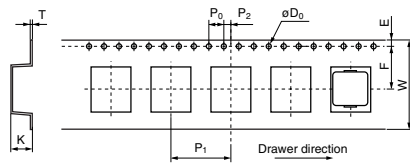
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DC-Superposed Characteristics



PLC-1255 Series

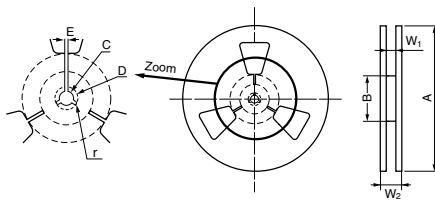
Dimensions of indented square hole plastic tape



	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
1255 Series	24.0	11.5	1.75	16.0	2.0	4.0	1.55	0.4	5.8

	[mm]
	pcs./reel
1255 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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