

Leadless Power Inductors PLFC 1045R-C Series



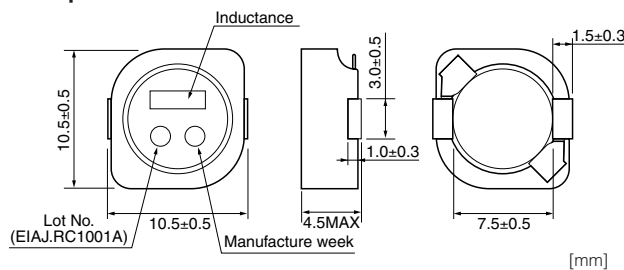
- Tape and Reel Dimensions (see page 119)
- Precautions (see page 124)

Model	Inductance (μ H) at 100kHz	DC resistance (m Ω) max.	Rated current (A)		
			I _{rms} *1	at 20°C I _{sat} (Ref.)*2	at 100°C
PLFC1045R-3R3C	3.3 $\pm$ 30%	17	6.5	9.8	8.3
PLFC1045R-4R7C	4.7 $\pm$ 30%	25	5.6	7.7	6.4
PLFC1045R-6R8C	6.8 $\pm$ 30%	33	4.7	6.3	5.4
PLFC1045R-8R2C	8.2 $\pm$ 30%	36	3.9	6.0	5.1
PLFC1045R-100C	10 $\pm$ 20%	43	3.8	5.6	4.7
PLFC1045R-120C	12 $\pm$ 20%	57	3.4	4.5	3.9
PLFC1045R-150C	15 $\pm$ 20%	66	3.2	4.4	3.8
PLFC1045R-180C	18 $\pm$ 20%	74	3.1	4.0	3.4
PLFC1045R-220C	22 $\pm$ 20%	91	2.7	3.7	3.2
PLFC1045R-330C	33 $\pm$ 20%	133	2.2	3.0	2.4
PLFC1045R-470C	47 $\pm$ 20%	183	1.6	2.5	2.1
PLFC1045R-560C	56 $\pm$ 20%	241	1.5	2.3	1.9
PLFC1045R-680C	68 $\pm$ 20%	263	1.4	2.1	1.7
PLFC1045R-820C	82 $\pm$ 20%	329	1.3	1.8	1.6
PLFC1045R-101C	100 $\pm$ 20%	398	1.2	1.7	1.5
PLFC1045R-121C	120 $\pm$ 20%	467	1.0	1.6	1.3
PLFC1045R-151C	150 $\pm$ 20%	633	0.9	1.4	1.2

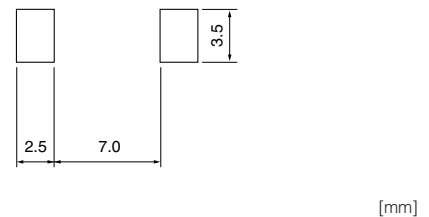
*1. 40°C rise typ. at I_{rms} *2. Inductance drop 20% typ. at I_{sat}

- Operating temperature range: -25 to +80°C (Without self-temperature rise)
- Storage temperature range: -25 to +85°C

Shape and Dimensions



Recommended Land Pattern



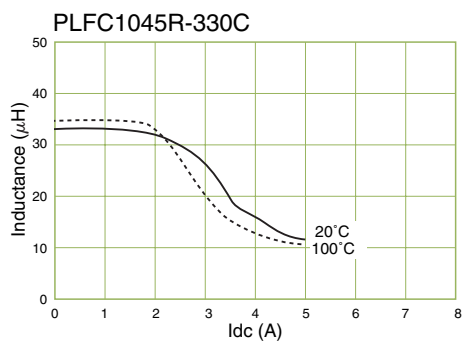
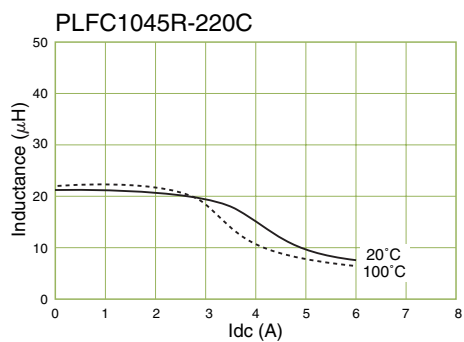
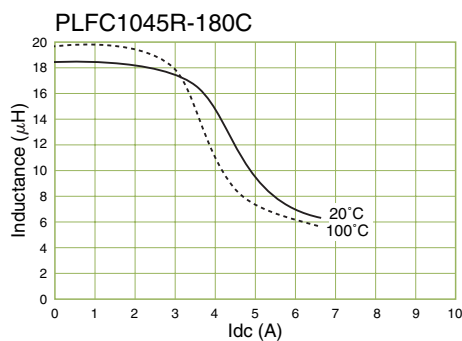
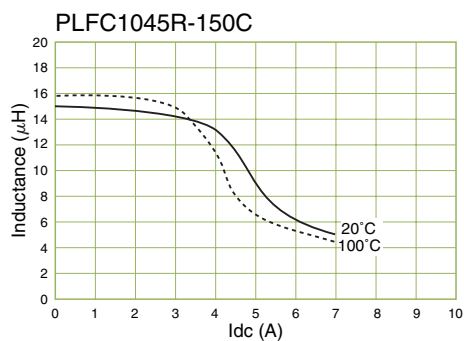
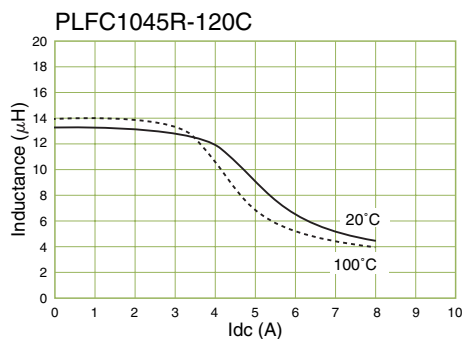
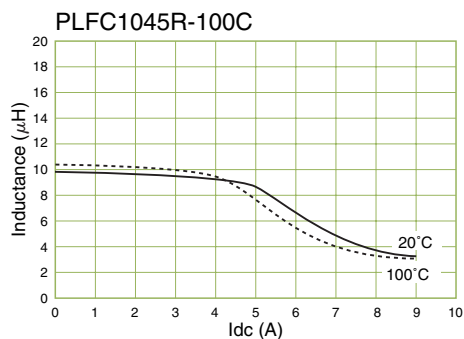
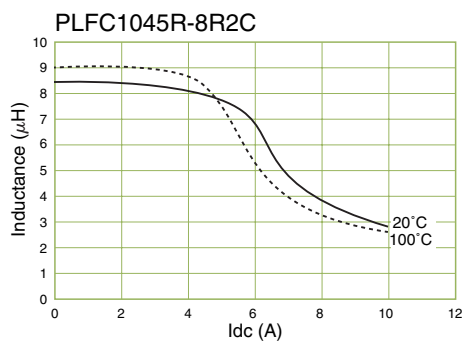
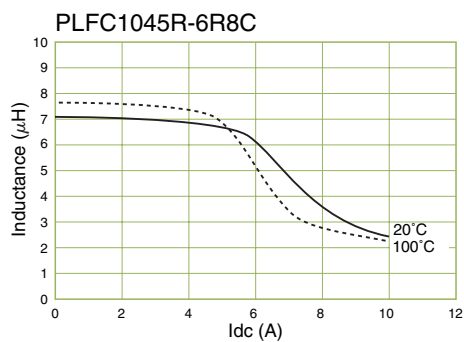
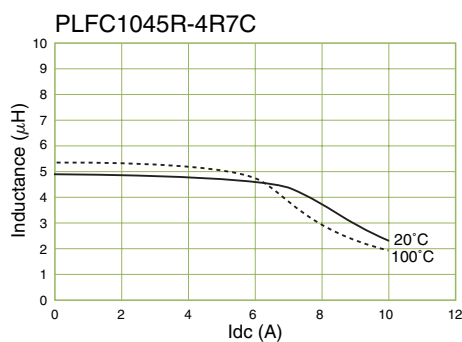
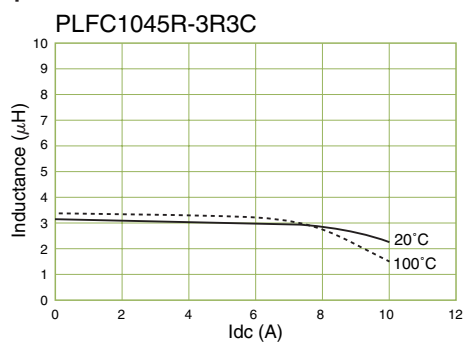
Numbering System

PLFC ○○○○ ○ - ○○○○ ○

① ② ③ ④ ⑤

- ① Series
- ② Dimensions
- ③ Structure : R = Ring+Drum
- ④ Inductance
- ⑤ Core material

DC-Superposed Characteristics



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