

Leadless Power Inductors PLFC 0745P-A Series



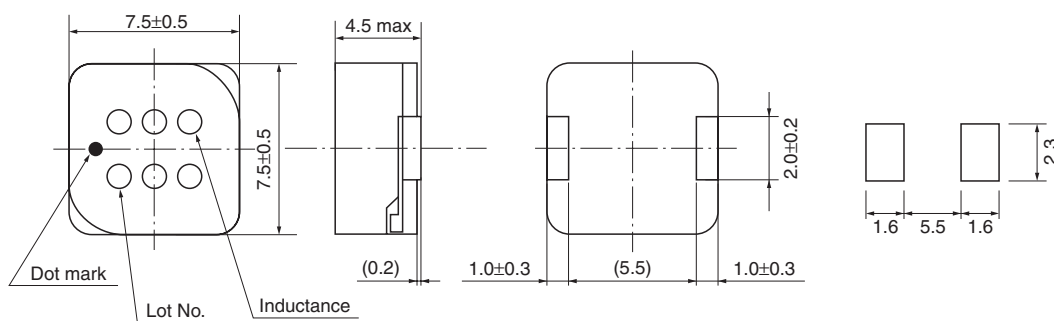
- Tape and Reel Dimensions (see page 98)
- Precautions (see page 102)

Model	Inductance L (μH) at 100kHz	DC resistance Rdc (mΩ) max.	Irms*1	Rated current (A)	
				Isat (Ref.)*2	
				at 20°C	at 100°C
PLFC0745P-3R3A	3.3±30%	22	4.8	5.9	3.8
PLFC0745P-4R7A	4.7±30%	34	4.0	5.0	3.7
PLFC0745P-5R6A	5.6±30%	38	3.8	4.9	3.6
PLFC0745P-6R8A	6.8±30%	40	3.6	4.4	3.1
PLFC0745P-8R2A	8.2±30%	70	2.8	3.8	2.7
PLFC0745P-100A	10.0±20%	80	2.6	3.3	2.4
PLFC0745P-120A	12.0±20%	90	2.4	3.2	2.3
PLFC0745P-150A	15.0±20%	107	2.2	2.8	2.0
PLFC0745P-180A	18.0±20%	113	2.1	2.6	1.9
PLFC0745P-220A	22.0±20%	135	1.9	2.3	1.7
PLFC0745P-330A	33.0±20%	200	1.7	1.9	1.3
PLFC0745P-470A	47.0±20%	262	1.5	1.6	1.2
PLFC0745P-560A	56.0±20%	288	1.4	1.4	1.0
PLFC0745P-680A	68.0±20%	478	1.3	1.3	0.95
PLFC0745P-820A	82.0±20%	535	1.1	1.2	0.9
PLFC0745P-101A	100.0±20%	594	1.0	1.1	0.8
PLFC0745P-121A	120.0±20%	685	0.9	1.0	0.7
PLFC0745P-151A	150.0±20%	823	0.8	0.9	0.65
PLFC0745P-181A	180.0±20%	904	0.7	0.8	0.6
PLFC0745P-221A	220.0±20%	1200	0.6	0.7	0.5
PLFC0745P-331A	330.0±20%	2100	0.5	0.6	0.4
PLFC0745P-471A	470.0±20%	2600	0.4	0.5	0.3

1. 40°C rise typ. at Irms 2. Inductance drop 20% typ. at Isat

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

Shape and Dimensions/Recommended Land Pattern



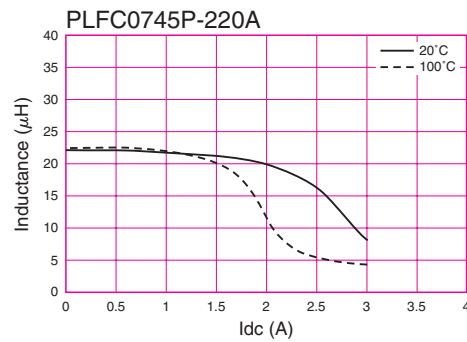
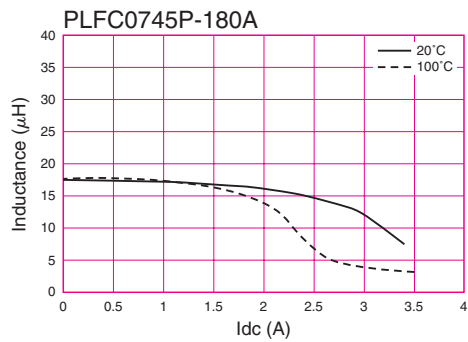
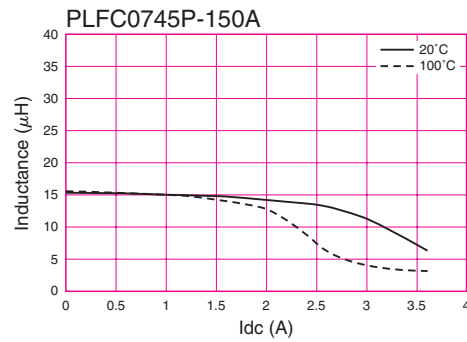
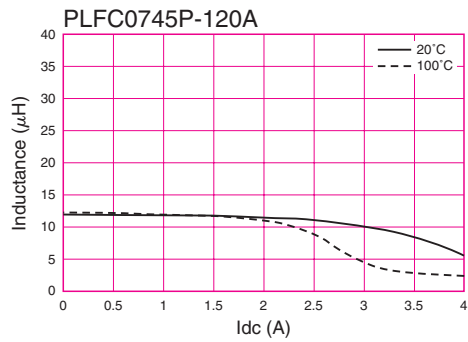
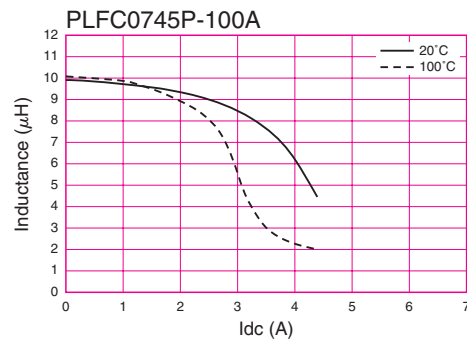
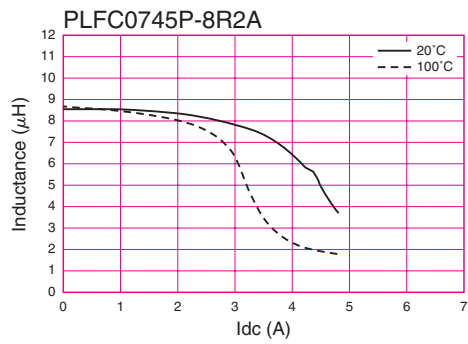
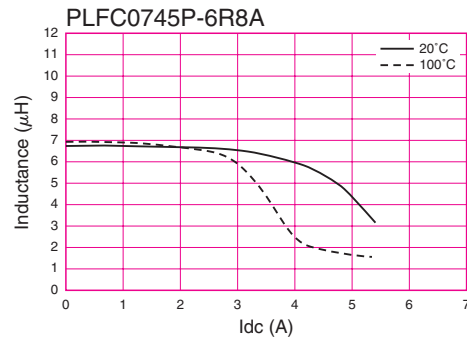
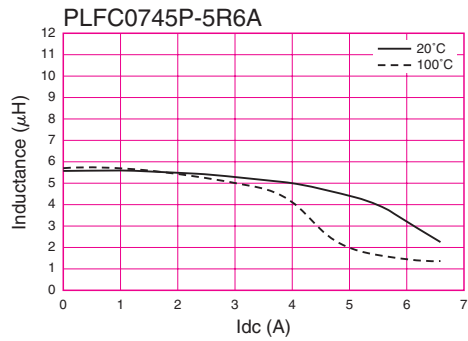
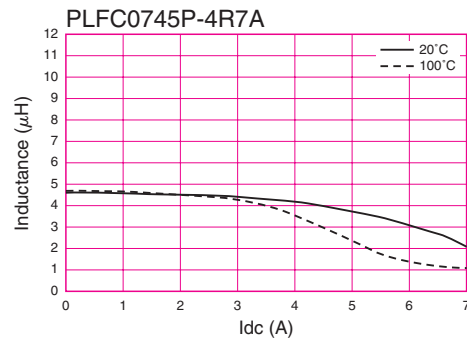
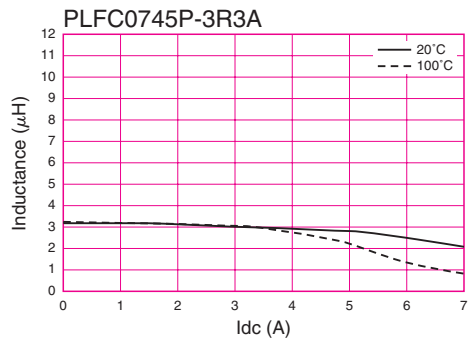
[mm]

Numbering System

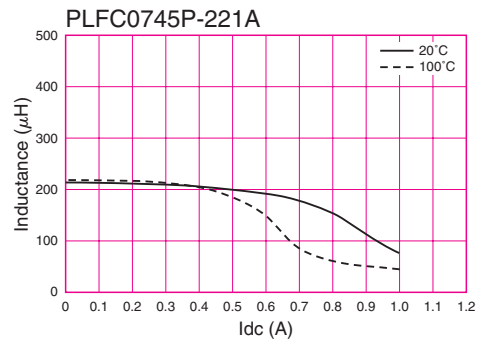
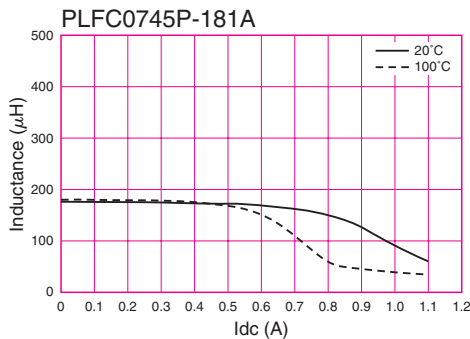
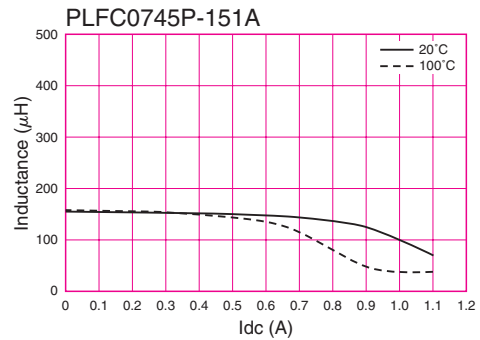
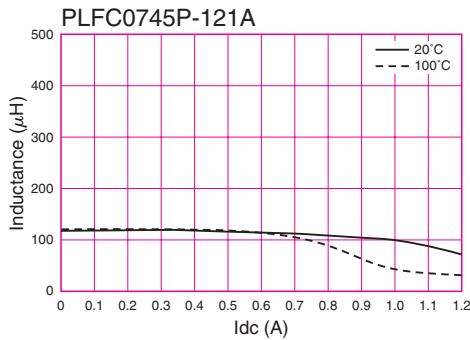
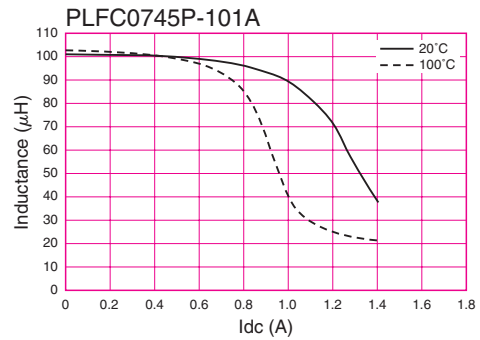
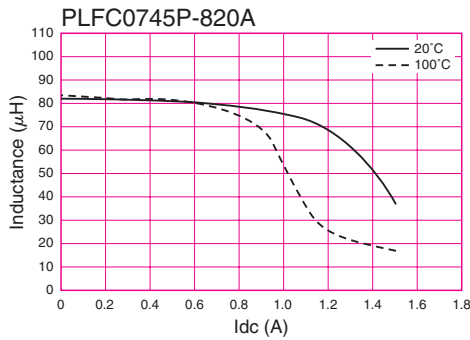
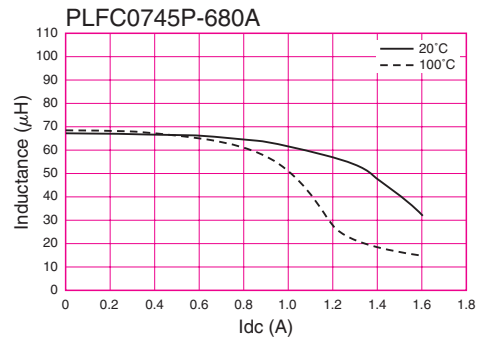
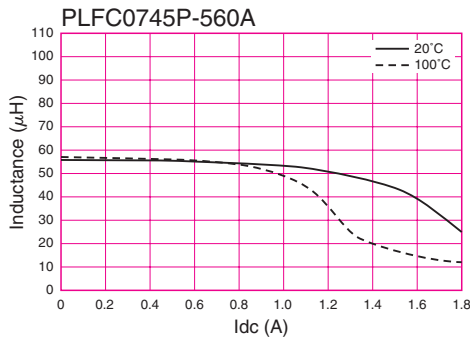
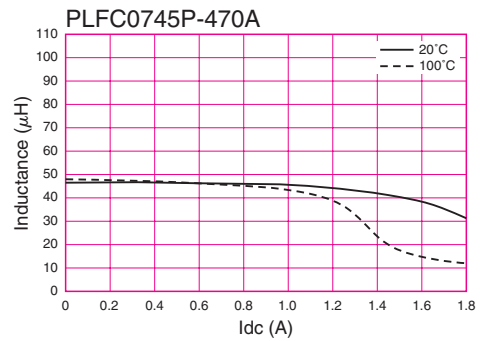
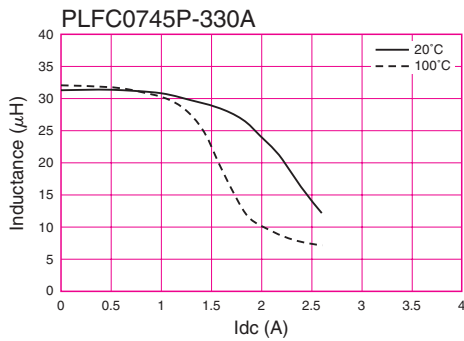
PLFC ○○○○ ○ - ○○○○ ○
① ② ③ ④ ⑤

- ① Series
- ② Dimensions : 0745 = 7.5mm×7.5mm×4.5mm
- ③ Structure : P = Pot + Rivet
- ④ Inductance
- ⑤ Core material

DC-Superposed Characteristics



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