

# LPF7045 SERIES

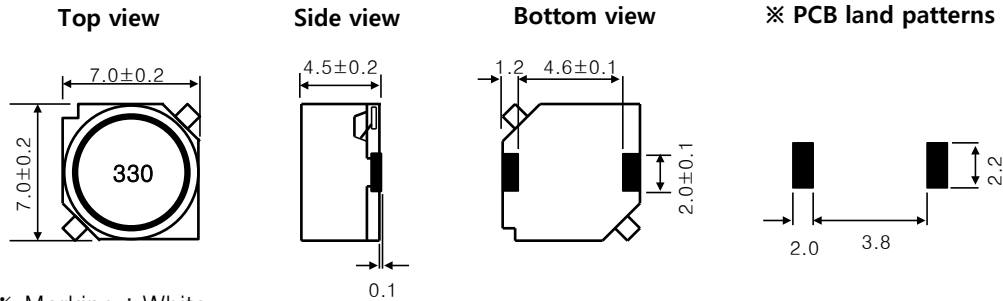


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## LPF7045 SERIES

### ■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



※ Marking : White

### ■ ELECTRICAL CHARACTERISTICS

( ) is typical value.

Ordering code	Inductance [μH]	Tolerance (%)	F (kHz)	Rdc ±20% (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPF7045T - 1R2M	1.2	± 20	100	0.0105	5.00	4.20
LPF7045T - 2R2M	2.2	± 20		0.0190	3.00	3.40
LPF7045T - 3R3M	3.3	± 20		0.0220	2.50	3.20
LPF7045T - 3R9M	3.9	± 20		0.0250	2.40	3.00
LPF7044T - 4R7M	4.7	± 20		0.0280	2.30	2.80
LPF7044T - 6R8M	6.8	± 20		0.0390	1.90	2.04
LPF7045T - 100M	10.0	± 20		0.0400	1.80	1.81
LPF7045T - 150M	15.0	± 20		0.0560	1.50	1.50
LPF7045T - 220M	22.0	± 20		0.0700	1.30	1.30
LPF7045T - 330M	33.0	± 20		0.1100	1.10	1.11
LPF7045T - 470M	47.0	± 20		0.1700	0.90	0.93
LPF7045T - 680M	68.0	± 20		0.2800	0.75	0.76
LPF7045T - 101M	100.0	± 20		0.3500	0.60	0.61
LPF7045T - 151M	150.0	± 20		0.4800	0.50	0.54
LPF7045T - 221M	220.0	± 20		0.7500	0.40	0.43
LPF7045T - 331M	330.0	± 20		1.1000	0.35	0.37
LPF7045T - 471M	470.0	± 20		1.4000	0.27	0.27
LPF7045T - 681M	680	± 20		2.1000	0.23	0.23

#### ▼ Test Equipments

- Inductance measured : Agilent E4980A Precision LCR Meter or equivalent(100kHz, 0.5V)
- Rdc : HIOKI 3540 mΩ HiTESTER or equivalent
- Idc1(The saturation current) :  $\Delta L \leq 10\%$  reduction from initial L value  
Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- Idc2(The temperature rise):  $\Delta T = 20^\circ\text{C}$  typical at rated DC current  
Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply
- ※ Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

#### ▼ Operating Temperature Range

-40 ~ +105°C (Including self-generated heat)

#### ▼ LQ vs F Characteristic