

LPF7045-C Series

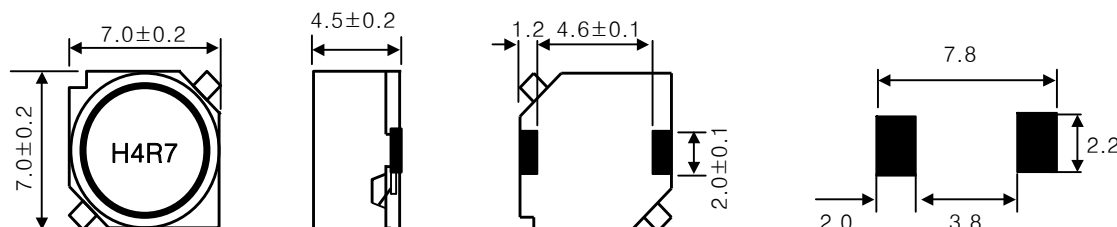


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SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

Ordering Code	Inductance		Freq.	DC Resistance(Ω)	Rated DC current(A)	
	L (uH)	Tol. (%)	F (KHz)	Rdc (Max.)	Idc1 (Max.)	Idc2 (Typ.)
LPF7045T-1R0N-C	1.0	±30	100	0.0135	11.3	6.1
LPF7045T-1R5N-C	1.5			0.0149	9.4	5.5
LPF7045T-1R8N-C	1.8			0.0187	7.4	5.0
LPF7045T-2R2M-C	2.2	±20		0.0195	7.4	5.0
LPF7045T-3R3M-C	3.3			0.0275	5.7	4.3
LPF7045T-4R7M-C	4.7			0.0330	4.4	3.5
LPF7045T-6R8M-C	6.8			0.0435	3.8	3.1
LPF7045T-8R2M-C	8.2			0.0535	3.4	2.9
LPF7045T-100M-C	10			0.0595	3.2	2.5
LPF7045T-150M-C	15			0.0880	2.5	2.0
LPF7045T-220M-C	22			0.1180	2.0	1.8
LPF7045T-330M-C	33	0.2150	1.5	1.4		

▼ Test Equipments

- . L : Agilent E4980A Precision LCR Meter
- . Rdc : HIOKI 3540 mΩ HiTESTER
- . Idc1 : Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- . Idc2 : Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply

□ Packing style

T : Taping B : Bulk

▼ Test Condition

- . L(Frequency , Voltage) : F=100 (KHz) , V=0.5 (V)
- . Idc1(The saturation current) : $\Delta L \leq 30\%$ reduction from initial L value
- . Idc2(The temperature rise): $\Delta T = 40^\circ\text{C}$ typical at rated DC current
- * Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

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