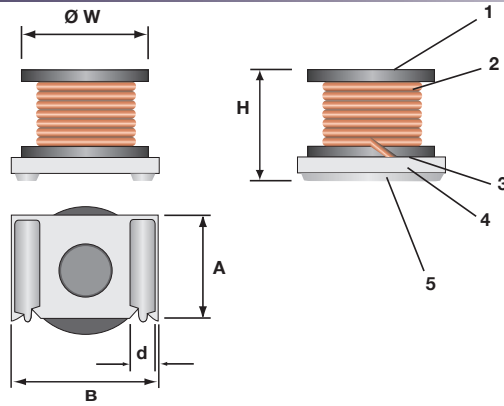
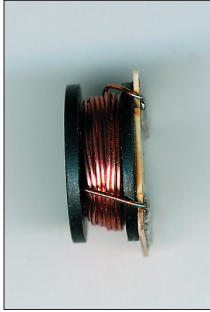


FERRITE CORE POWER INDUCTOR LPC 12065



STRUCTURE

- 1 Ferrite core
- 2 Winding wire
- 3 Epoxy adhesive
- 4 Ceramic substrate
- 5 Electrode

IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
LPC 12065	Clear	None

Products with Pb-free terminations meet EU-RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

LPC 12065	A	TE	680	K
PRODUCT CODE	TERMINATION SURFACE MATERIAL	TAPING* TE: 500 pcs/reel BK: Bulk = 100 pcs	NOMINAL INDUCTANCE 3 digits (Unit: μ H)	INDUCTANCE TOLERANCE K: ($\pm 10\%$) M: ($\pm 20\%$) N: ($\pm 30\%$)
	A: SnAg L: Sn/Pb	*Please see "PACKAGING"		

Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS

FEATURES

- Large permissible DC current and small DC resistance are realized by the original construction and wiring technology
- Automatic surface mounting is applicable
- Excellent solderability and endurance environment
- Suitable for reflow soldering
- Embossed carrier tape packaging available
- Operating temperature range*: -40°C ... +85°C
- Inductors for extended operating temperature range* (-40°C ... +125°C) in a limited range on request

* Including self-temperature rise

DIMENSIONS (mm)

PRODUCT CODE	Ø W	H	A	B	d
LPC 12065	12.0 \pm 0.2	7.5 max.	10.0 \pm 0.2	12.4 \pm 0.2	3.7 \pm 0.3

RATING

TYPE	INDUCTANCE		INDUCTANCE MEASURING FREQUENCY	SELF-RESONANT FREQUENCY (MIN.)	DC RESISTANCE (MAX.)	ALLOWABLE DC CURRENT (MAX.)	
	NOM. VALUE*	TOLERANCE					
LPC 12065 □TE R68 N	0.68 μ H	N ($\pm 30\%$)	1 MHz	77.0 MHz	0.005 Ω	10.0 A	
LPC 12065 □TE 1R0 N	1.0 μ H			60.0 MHz	0.007 Ω	9.50 A	
LPC 12065 □TE 1R5 N	1.5 μ H			47.0 MHz	0.008 Ω	9.00 A	
LPC 12065 □TE 2R2 N	2.2 μ H			38.0 MHz	0.010 Ω	8.00 A	
LPC 12065 □TE 3R3 M	3.3 μ H	M ($\pm 20\%$)		30.0 MHz	0.012 Ω	7.00 A	
LPC 12065 □TE 4R7 M	4.7 μ H			24.0 MHz	0.016 Ω	6.50 A	
LPC 12065 □TE 6R8 M	6.8 μ H			19.0 MHz	0.022 Ω	5.40 A	
LPC 12065 □TE 100 K	10 μ H			15.0 MHz	0.031 Ω	4.50 A	
LPC 12065 □TE 150 K	15 μ H			12.0 MHz	0.046 Ω	3.63 A	
LPC 12065 □TE 220 K	22 μ H			9.50 MHz	0.065 Ω	3.00 A	
LPC 12065 □TE 330 K	33 μ H	K ($\pm 10\%$)		0.1 MHz	7.50 MHz	0.093 Ω	2.40 A
LPC 12065 □TE 470 K	47 μ H				6.20 MHz	0.130 Ω	2.05 A
LPC 12065 □TE 680 K	68 μ H		4.90 MHz		0.182 Ω	1.70 A	
LPC 12065 □TE 101 K	100 μ H		4.00 MHz		0.260 Ω	1.38 A	
LPC 12065 □TE 151 K	150 μ H		3.20 MHz		0.380 Ω	1.14 A	
LPC 12065 □TE 221 K	220 μ H		2.50 MHz		0.540 Ω	0.94 A	
LPC 12065 □TE 331 K	330 μ H		2.00 MHz		0.790 Ω	0.77 A	
LPC 12065 □TE 471 K	470 μ H		1.60 MHz		1.08 Ω	0.65 A	
LPC 12065 □TE 681 K	680 μ H		1.30 MHz		1.55 Ω	0.53 A	
LPC 12065 □TE 102 K	1000 μ H		1.00 MHz		2.21 Ω	0.44 A	
LPC 12065 □TE 152 K	1500 μ H		0.05 MHz		0.83 MHz	3.20 Ω	0.35 A
LPC 12065 □TE 222 K	2200 μ H				0.67 MHz	4.60 Ω	0.29 A
LPC 12065 □TE 332 K	3300 μ H	0.53 MHz		6.60 Ω	0.23 A		
LPC 12065 □TE 472 K	4700 μ H	0.43 MHz		9.30 Ω	0.19 A		
LPC 12065 □TE 682 K	6800 μ H		0.34 MHz	13.20 Ω	0.16 A		

* Other inductance values on request □ Enter the code for termination surface material (A, L)

Avoid strong pressure or excessive shock at mounting or after mounting because electric/magnetic characteristics may change if it is applied to the inductors.

Contact our sales representatives before you use our products for applications including automobiles, medical equipment and aerospace equipment. Misfunction or failure of the products in such applications may cause loss of human life or serious damage.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order or use.