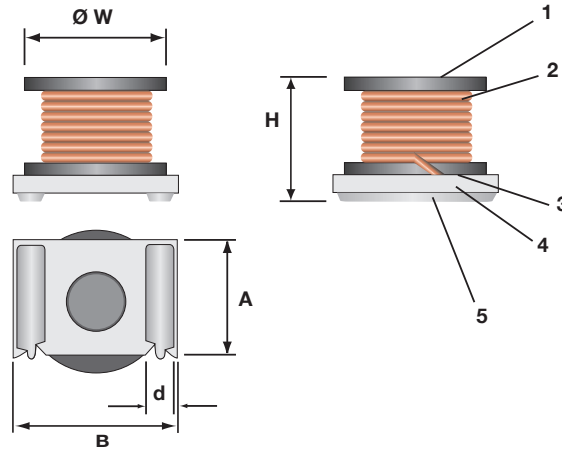
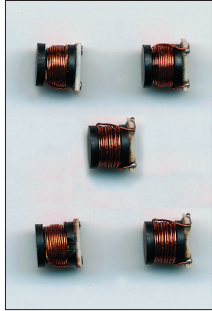


**FERRITE CORE  
POWER INDUCTOR  
LPC 4045**



**STRUCTURE**

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

**IDENTIFICATION**

PRODUCT CODE	COATING COLOR	MARKING
LPC 4045	Clear	None

Products with Pb-free terminations meet EU-RoHS requirements

**TYPE DESIGNATION (HOW TO ORDER)**

LPC 4045	A	TE	101	K
PRODUCT CODE	TERMINATION SURFACE MATERIAL A: SnAg	TAPING* TE: 2.500 pcs/reel BK: Bulk = 100pcs  *Please see "PACKAGING"	NOMINAL INDUCTANCE 3 digits (Unit: $\mu$ H)	INDUCTANCE TOLERANCE K: ( $\pm 10\%$ ) M: ( $\pm 20\%$ )

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
- Small surface area allows high mounting density
- Suitable for reflow soldering
- Embossed carrier tape packaging available
- Parts are tested according to AEC-Q200 requirements
- 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 4045	4.0 ± 0.2	4.3 ± 0.2	3.0 ± 0.2	4.5 ± 0.2	1.0 ± 0.3

**RATING**

TYPE	INDUCTANCE		INDUCTANCE MEASURING FREQUENCY	SELF-RESONANT FREQUENCY (MIN.)	DC RESISTANCE (MAX.)	ALLOWABLE DC CURRENT (MAX.)	
	NOM. VALUE	TOLERANCE					
LPC 4045 □ TE R68 M	0.68 $\mu$ H	M ( $\pm 20\%$ )	1 kHz	120.0 MHz	0.012 $\Omega$	3.40 A	
LPC 4045 □ TE 1R0 M	1 $\mu$ H			90.0 MHz	0.015 $\Omega$	3.10 A	
LPC 4045 □ TE 1R5 M	1.5 $\mu$ H			70.0 MHz	0.020 $\Omega$	2.80 A	
LPC 4045 □ TE 2R2 M	2.2 $\mu$ H			55.0 MHz	0.023 $\Omega$	2.50 A	
LPC 4045 □ TE 3R3 M	3.3 $\mu$ H			45.0 MHz	0.044 $\Omega$	1.80 A	
LPC 4045 □ TE 4R7 M	4.7 $\mu$ H			35.0 MHz	0.062 $\Omega$	1.45 A	
LPC 4045 □ TE 6R8 M	6.8 $\mu$ H			25.0 MHz	0.075 $\Omega$	1.30 A	
LPC 4045 □ TE 100 K	10 $\mu$ H			K ( $\pm 10\%$ )	23.5 MHz	0.10 $\Omega$	1.02 A
LPC 4045 □ TE 150 K	15 $\mu$ H				18.5 MHz	0.15 $\Omega$	0.84 A
LPC 4045 □ TE 220 K	22 $\mu$ H				14.0 MHz	0.21 $\Omega$	0.70 A
LPC 4045 □ TE 330 K	33 $\mu$ H				12.0 MHz	0.41 $\Omega$	0.52 A
LPC 4045 □ TE 470 K	47 $\mu$ H				10.5 MHz	0.52 $\Omega$	0.46 A
LPC 4045 □ TE 680 K	68 $\mu$ H				8.0 MHz	0.67 $\Omega$	0.40 A
LPC 4045 □ TE 101 K	100 $\mu$ H				6.3 MHz	0.92 $\Omega$	0.28 A
LPC 4045 □ TE 151 K	150 $\mu$ H	5.2 MHz	1.80 $\Omega$		0.25 A		
LPC 4045 □ TE 221 K	220 $\mu$ H	3.9 MHz	2.25 $\Omega$		0.18 A		
LPC 4045 □ TE 331 K	330 $\mu$ H	3.0 MHz	4.27 $\Omega$		0.15 A		
LPC 4045 □ TE 471 K	470 $\mu$ H	2.7 MHz	5.23 $\Omega$	0.14 A			
LPC 4045 □ TE 681 K	680 $\mu$ H	2.2 MHz	6.67 $\Omega$	0.12 A			

□ 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.