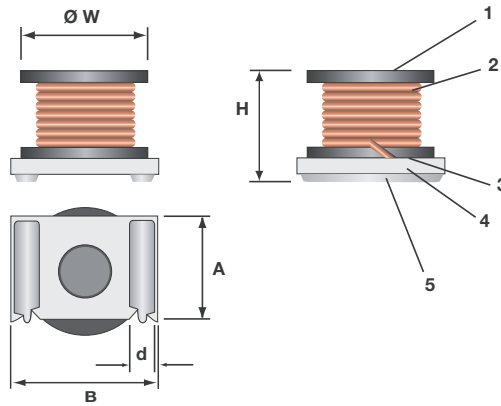


**FERRITE CORE
POWER INDUCTOR
LPC 10065**



STRUCTURE

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

IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
LPC 10065	None	None

TYPE DESIGNATION (HOW TO ORDER)

Old Part No.	LPC 10065	K	TE	221		
New Part No.	LPC 10065	L	TE	221	K	
	PRODUCT CODE	TERMINATION SURFACE MATERIAL L: Sn/Pb A: SnAg	INDUCTANCE TOLERANCE	TAPING*	NOMINAL INDUCTANCE 3 digits (Unit: µH)	INDUCTANCE TOLERANCE

*Please see "PACKAGING"

FEATURES

- Large permissible DC current and small DC resistance
- Small surface area allows high mounting density
- Small size and low height
- Suitable for reflow soldering
- Operating temperature range: -40° C ... +85° C
- Inductors for extended ambient temperature range: -40° C ... +125° C on request (Type LPC 10065 E K TE xxx) (10 µH ... 3300 µH)
- Embossed carrier tape packaging available

DIMENSIONS (mm)

PRODUCT CODE	Ø W	H	A	B	d
LPC 10065	10.0 ± 0.2	7.5 max.	8.0 ± 0.2	10.4 ± 0.2	2.5 ± 0.2

RATING

TYPE	INDUCTANCE			QUALITY FACTOR		SELF-RESONANT FREQUENCY (MIN.)	DC RESISTANCE (MAX.)	ALLOWABLE DC CURRENT (MAX.)
	NOM. VALUE*	TOLERANCE	FREQUENCY	Q (MIN.)	FREQUENCY			
LPC 10065 TE R68	0.68 µH	M (± 20%)	1 MHz	15	2.52 MHz	75.0 MHz	0.006 Ω	9.50 A
LPC 10065 TE 1R0	1.0 µH					65.0 MHz	0.007 Ω	9.00 A
LPC 10065 TE 1R5	1.5 µH					50.0 MHz	0.008 Ω	8.50 A
LPC 10065 TE 2R2	2.2 µH					40.0 MHz	0.009 Ω	7.50 A
LPC 10065 TE 3R3	3.3 µH					30.0 MHz	0.012 Ω	6.80 A
LPC 10065 TE 4R7	4.7 µH					25.0 MHz	0.017 Ω	5.70 A
LPC 10065 TE 6R8	6.8 µH					20.0 MHz	0.024 Ω	4.70 A
LPC 10065 TE 100	10 µH					15.0 MHz	0.036 Ω	3.90 A
LPC 10065 TE 150	15 µH					12.0 MHz	0.054 Ω	3.15 A
LPC 10065 TE 220	22 µH					9.00 MHz	0.080 Ω	2.60 A
LPC 10065 TE 330	33 µH	K (± 10%)	0.1 MHz	20	0.1 MHz	8.00 MHz	0.120 Ω	2.30 A
LPC 10065 TE 470	47 µH					6.00 MHz	0.175 Ω	1.79 A
LPC 10065 TE 680	68 µH					5.00 MHz	0.255 Ω	1.48 A
LPC 10065 TE 101	100 µH					4.00 MHz	0.38 Ω	1.22 A
LPC 10065 TE 151	150 µH					3.00 MHz	0.58 Ω	1.00 A
LPC 10065 TE 221	220 µH					2.50 MHz	0.85 Ω	0.82 A
LPC 10065 TE 331	330 µH					2.00 MHz	1.30 Ω	0.67 A
LPC 10065 TE 471	470 µH					1.50 MHz	1.85 Ω	0.57 A
LPC 10065 TE 681	680 µH					1.00 MHz	2.70 Ω	0.47 A
LPC 10065 TE 102	1000 µH					0.95 MHz	4.00 Ω	0.38 A
LPC 10065 TE 152	1500 µH	0.05 MHz	30			0.85 MHz	6.10 Ω	0.31 A
LPC 10065 TE 222	2200 µH					0.70 MHz	9.00 Ω	0.26 A
LPC 10065 TE 332	3300 µH					0.55 MHz	13.50 Ω	0.21 A

* Other inductance values on request