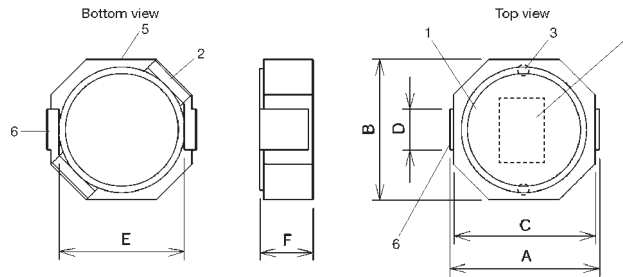


FERRITE CORE POWER CHOKE COIL LPS



STRUCTURE

- 1 Ni-Zn Ferrite core
- 2 Connection to winding wire
- 3 Adhesive joint
- 4 Marking position
- 5 Shielded case (Ni-Zn Ferrite)
- 6 Electrode

IDENTIFICATION

TYPE	COATING COLOR	MARKING
LPS	None	White, two letters

Products with Pb-free terminations meet RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

New Part No. (Pb-free)	LPS	5728	C	TE	100	M
PRODUCT CODE		SIZE	TERMINATION SURFACE MATERIAL	TAPING* TE: Taping BK: Bulk	NOMINAL INDUCTANCE 3 digits (Unit: μH)	INDUCTANCE TOLERANCE M: $\pm 20\%$
		5018 5728 6926	C: SnCu *Please see "PACKAGING"			

FEATURES

- Large permissible DC current and small DC resistance
- Low noise by magnetically shielded construction
- Small surface area allows high mounting density
- Small size and low height
- Ideal for use in digital cameras, digital videos, HDD, mobile phones etc.
- Suitable for a variety of small sized portable DC-DC converter inductor applications
- Operating temperature range: -20°C ... $+85^{\circ}\text{C}$
- Suitable for reflow soldering
- Embossed carrier tape packaging available

RATING

TYPE	INDUCTANCE*		SELF-RESONANT FREQUENCY (MIN.)	DC RESISTANCE (at 25°C)		ALLOWABLE DC CURRENT** (MAX.)
	NOMINAL VALUE	TOLERANCE		(MAX.)	(TYP.)	
LPS 5018 C TE 2R2 M	2.2 μH	M($\pm 20\%$)	125 MHz	59 $\text{m}\Omega$	49 $\text{m}\Omega$	1.63 A
LPS 5018 C TE 3R3 M	3.3 μH		90 MHz	73 $\text{m}\Omega$	61 $\text{m}\Omega$	1.34 A
LPS 5018 C TE 4R7 M	4.7 μH		70 MHz	87 $\text{m}\Omega$	72 $\text{m}\Omega$	1.14 A
LPS 5018 C TE 6R8 M	6.8 μH		60 MHz	105 $\text{m}\Omega$	84 $\text{m}\Omega$	0.95 A
LPS 5018 C TE 100 M	10 μH		45 MHz	150 $\text{m}\Omega$	125 $\text{m}\Omega$	0.76 A
LPS 5018 C TE 150 M	15 μH		35 MHz	210 $\text{m}\Omega$	175 $\text{m}\Omega$	0.63 A
LPS 5018 C TE 220 M	22 μH		30 MHz	275 $\text{m}\Omega$	230 $\text{m}\Omega$	0.56 A
LPS 5018 C TE 330 M	33 μH		20 MHz	455 $\text{m}\Omega$	375 $\text{m}\Omega$	0.44 A
NEW LPS 5018 C TE 470 M	47 μH		14 MHz	730 $\text{m}\Omega$	—	0.35 A
LPS 5728 C TE 2R2 M	2.2 μH		70 MHz	18 $\text{m}\Omega$	13 $\text{m}\Omega$	2.60 A
LPS 5728 C TE 3R3 M	3.3 μH		60 MHz	24 $\text{m}\Omega$	18 $\text{m}\Omega$	2.40 A
LPS 5728 C TE 4R7 M	4.7 μH		45 MHz	38 $\text{m}\Omega$	28 $\text{m}\Omega$	1.90 A
LPS 5728 C TE 6R8 M	6.8 μH		35 MHz	51 $\text{m}\Omega$	38 $\text{m}\Omega$	1.60 A
LPS 5728 C TE 100 M	10 μH		25 MHz	65 $\text{m}\Omega$	48 $\text{m}\Omega$	1.30 A
LPS 5728 C TE 150 M	15 μH		20 MHz	103 $\text{m}\Omega$	76 $\text{m}\Omega$	1.10 A
LPS 5728 C TE 220 M	22 μH		15 MHz	122 $\text{m}\Omega$	90 $\text{m}\Omega$	0.90 A
LPS 5728 C TE 330 M	33 μH	10 MHz	189 $\text{m}\Omega$	140 $\text{m}\Omega$	0.75 A	
NEW LPS 5728 C TE 470 M	47 μH	9 MHz	250 $\text{m}\Omega$	—	0.62 A	
LPS 6926 C TE 2R2 M	2.2 μH	70 MHz	19 $\text{m}\Omega$	14 $\text{m}\Omega$	4.30 A	
LPS 6926 C TE 3R3 M	3.3 μH	50 MHz	26 $\text{m}\Omega$	20 $\text{m}\Omega$	3.50 A	
LPS 6926 C TE 4R7 M	4.7 μH	40 MHz	35 $\text{m}\Omega$	27 $\text{m}\Omega$	2.90 A	
LPS 6926 C TE 6R8 M	6.8 μH	35 MHz	52 $\text{m}\Omega$	40 $\text{m}\Omega$	2.40 A	
LPS 6926 C TE 100 M	10 μH	25 MHz	65 $\text{m}\Omega$	50 $\text{m}\Omega$	2.00 A	
LPS 6926 C TE 150 M	15 μH	15 MHz	91 $\text{m}\Omega$	70 $\text{m}\Omega$	1.60 A	
LPS 6926 C TE 220 M	22 μH	10 MHz	143 $\text{m}\Omega$	110 $\text{m}\Omega$	1.30 A	
LPS 6926 C TE 330 M	33 μH	8 MHz	208 $\text{m}\Omega$	160 $\text{m}\Omega$	1.00 A	
NEW LPS 6926 C TE 470 M	47 μH	7 MHz	286 $\text{m}\Omega$	—	0.84 A	

* Inductance measuring frequency: 100 kHz, 0.1V, $+25^{\circ}\text{C}$

** Allowable DC current is a DC bias current value which causes initial inductance to decrease by 30%