

SMD Unshielded Power Inductors

◎ Product introduction 產品介紹

- Excellent solderability and heat resistance for either flow or reflow soldering

良好的可焊性和耐焊性

- DC low resistance, small, may correspond to current use

直流電阻較低，小型，可對應大電流用途

- Magnetically shielded construction

磁屏蔽結構

- For RoHS instructions corresponding products

為RoHS指令對應產品



◎ Product application 產品應用

- Ideally used in Digital camera, notebook PC, LCD TV set, DC-DC Converters, etc

用於數碼相機，筆記本電腦，LCD電視等

◎ Product Identification 產品標識

VES 585225 470 M T

VES-----Series name 系列名稱

585225-----Dimension 產品尺寸

470-----Inductance 電感值【470=470 μ H】

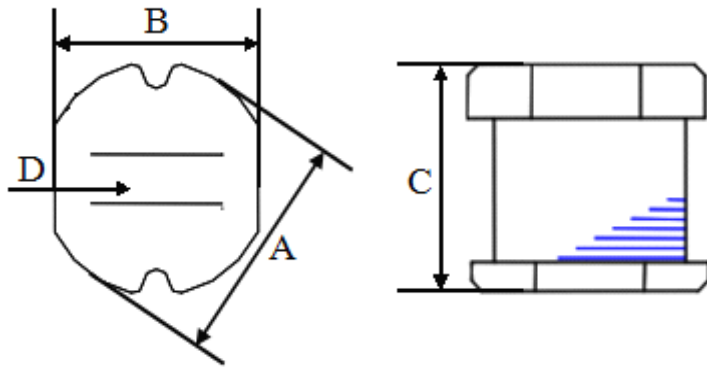
M-----Tolerance 公差【J=5%, K=10%, M= 20% ,T= 30% 】

T-----Taping 編帶盤裝

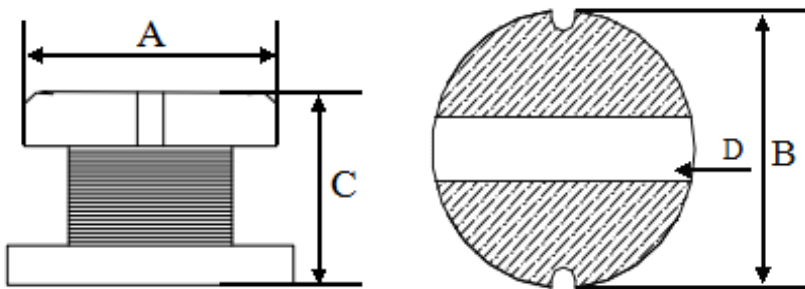
SMD Unshielded Power Inductors

◎Shape&Dimensions 形狀與尺寸:

333015--109065L



131370L



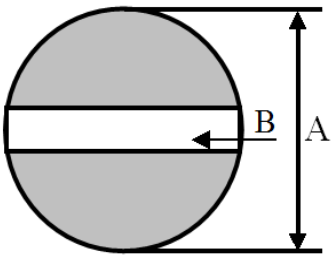
SIZE CODE (inch)	A	B	C	D	CHIPS REEL
333015	3.30±0.30	3.00±0.30	1.50±0.30	1.0 typ.	3K
333021	3.30±0.30	3.00±0.30	2.10±0.30	1.0 typ.	3K
454032	4.50±0.30	4.00±0.23	3.20±0.30	1.2	2K
585225	5.80±0.30	5.20±0.20	2.50±0.30	2.0 typ.	2K
585230	5.80±0.30	5.20±0.20	3.00±0.30	2.0 typ.	2K
585245	5.80±0.30	5.20±0.20	4.50±0.40	1.3	1.5K
787035	7.80±0.30	7.00±0.20	3.50±0.30	2.1	1K
787050	7.80±0.30	7.00±0.20	5.00±0.30	2.1	0.7K
109040L	10.00±0.30	9.00±0.30	4.00±0.50	2.1	0.7K
109054L	10.00±0.40	9.00±0.40	5.40±0.40	2.1	0.7K
109065L	10.00±0.40	9.00±0.40	6.50±0.40	2.1	0.5K
131370L	13.00±0.50	13.00±0.50	7.00±0.30	5 Typ.	0.5K

SMD Unshielded Power Inductors

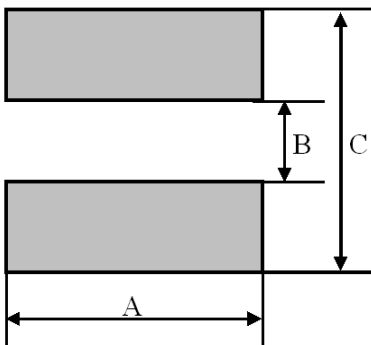
◎Recommender Land Pattern 推薦焊盤布局：

UNIT: mm

333015--109065L



131370L



SIZE CODE (inch)	A	B	C
333015	4.5	1	
333021	4.5	1	
454032	5.5	1.2	
585225	6.8	2	
585230	6.8	2	
585245	6.8	1.3	
787035	8.8	2.1	
787050	8.8	2.1	
109040L	11	2.1	
109054L	11	2.1	
109065L	11	2.1	
131370L	14	4.5	14

SMD Unshielded Power Inductors

© Detailed specifications and parameters are introduced

詳細規格及參數介紹

ORDERING CORE	Inductance (μH)	Tolerance ($\pm\%$)	Test Frequency	RDC (MAX) (Ω)	Isat (A)
VES-585225-1R0	1	M	7.96MHz/1V	0.030	4.5
VES-585225-1R4	1.4	M	7.96MHz/1V	0.040	4
VES-585225-1R8	1.8	M	7.96MHz/1V	0.050	3.3
VES-585225-2R2	2.2	M	7.96MHz/1V	0.060	2.94
VES-585225-2R7	2.7	M	7.96MHz/1V	0.070	2.5
VES-585225-3R3	3.3	M	7.96MHz/1V	0.080	2.35
VES-585225-3R9	3.9	M	7.96MHz/1V	0.090	2.2
VES-585225-4R7	4.7	K/M	7.96MHz/1V	0.140	2
VES-585225-5R6	5.6	M	7.96MHz/1V	0.150	1.8
VES-585225-6R8	6.8	M	7.96MHz/1V	0.160	1.7
VES-585225-8R2	8.2	M	7.96MHz/1V	0.170	1.4
VES-585225-100	10	K/M	2.52MHz/1V	0.180	1.2
VES-585225-120	12	M	2.52MHz/1V	0.200	1.18
VES-585225-150	15	M	2.52MHz/1V	0.220	1.15
VES-585225-180	18	M	2.52MHz/1V	0.250	1.1
VES-585225-220	22	K/M	2.52MHz/1V	0.350	1
VES-585225-270	27	M	2.52MHz/1V	0.450	0.86
VES-585225-330	33	K/M	2.52MHz/1V	0.560	0.76
VES-585225-390	39	K/M	2.52MHz/1V	0.690	0.75
VES-585225-470	47	K/M	2.52MHz/1V	0.720	0.73
VES-585225-560	56	K/M	2.52MHz/1V	0.840	0.56
VES-585225-680	68	K/M	2.52MHz/1V	0.900	0.52
VES-585225-820	82	K/M	2.52MHz/1V	1.200	0.5
VES-585225-101	100	K/M	1KHz/1V	1.300	0.4
VES-585225-121	120	K/M	1KHz/1V	1.380	0.36
VES-585225-151	150	K/M	1KHz/1V	1.810	0.3
VES-585225-181	180	K/M	1KHz/1V	1.950	0.26
VES-585225-221	220	K/M	1KHz/1V	3.000	0.25
VES-585225-271	270	K/M	1KHz/1V	3.200	0.21
VES-585225-331	330	K/M	1KHz/1V	3.820	0.18
VES-585225-391	390	K/M	1KHz/1V	4.680	0.16

SMD Unshielded Power Inductors

© Detailed specifications and parameters are introduced

詳細規格及參數介紹

ORDERING CORE	Inductance (μH)	Tolerance ($\pm\%$)	Test Frequency	RDC (MAX) (Ω)	Isat (A)
VES-585225-471	470	K/M	1KHz/1V	5.100	0.15
VES-585225-561	560	K/M	1KHz/1V	8.500	0.14
VES-585225-681	680	K/M	1KHz/1V	10.000	0.13
VES-585225-821	820	K/M	1KHz/1V	12.000	0.07
VES-585225-102	1000	K/M	1KHz/1V	18.000	0.05