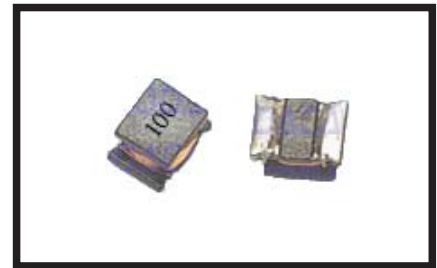


■ PW系列功率電感

PW SERIES SMD POWER INDUCTORS



● 特征 FEATURES

- 超薄;
- 開放式結構;
- 適合表面貼裝。
- Low profile
- Magnetic open structure
- SMT type

● 應用APPLICATION:

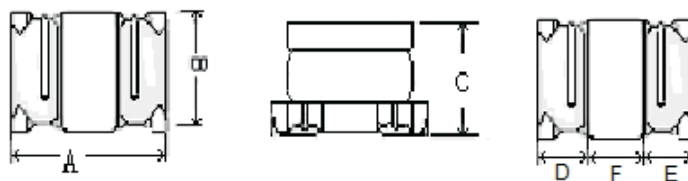
1. 移動通信,筆記本電腦; Portable communication equipment, Notebook Computer
2. LCD電視,錄像機; LCD televisions, Power supply for VTRs DC/DC轉換。DC/DC converters etc.

● 產品規格型號的表示方法 ORDERING CODE

$\frac{PW}{①}$ $\frac{3225}{②}$ — $\frac{150}{③}$ $\frac{M}{④}$ $\frac{T}{⑤}$

① 產品代號 Product Code		② 規格尺寸(L×W×T) (mm) Dimensions		③ 感量(μH) Inductance		④ 誤差 Tolerance		⑤ 包裝方式 Packaging Style	
PW	PW系列 功率電感	3216	3.2×1.6×1.8	150	15	K	±10%	T	卷帶盤裝 Tape & Reel
		3225	3.2×2.5×2.0	101	100	M	±20%	B	散裝 Bulk
		4532	4.5×3.2×3.0	102	1000				
		5750	5.7×5.0×4.7						

● 外形尺寸 SHAPE AND DIMENSIONS



單位(Unit): mm

型號Part	A	B	C	D	E	F
PW3216	3.0±0.3	1.6±0.3	1.8±0.3	0.7	0.7	0.7
PW3225	3.2±0.3	2.5±0.3	2.0±0.2	0.7	0.7	1.1
PW4532	4.5±0.3	3.2±0.3	3.0±0.2	1.0	1.0	1.2
PW5750	5.7±0.3	5.0±0.3	4.7±0.3	1.3	1.3	1.5

• 電性能參數 ELECTRICAL CHARACTERISTICS

PW3216 Series

型號 Part Number	電感量 L (μH)	公差 Tolerance	測試頻率 Test Freq.	直流電阻 DCR(Ω)Max	Isat(A)
PW3216-R47MT	0.47	±20%	1MHz	0.210	0.70
PW3216-1R0MT	1.0	±20%	1MHz	0.364	0.51
PW3216-2R2MT	2.2	±20%	1MHz	0.533	0.43
PW3216-4R7MT	4.7	±20%	1MHz	0.845	0.34
PW3216-100MT	10	±20%	1MHz	1.690	0.23
PW3216-220MT	22	±20%	1MHz	3.900	0.16
PW3216-470MT	47	±20%	1MHz	10.400	0.10
PW3216-101MT	100	±20%	1MHz	15.600	0.08

PW3225 Series

型號 Part Number	電感量 L (μH)	公差 Tolerance	測試頻率 Test Freq.	直流電阻 DCR(Ω)Max	Isat(A)
PW3225-4R7MT	4.7	±20%	1MHz	0.150	0.45
PW3225-5R6MT	5.6	±20%	1MHz	0.190	0.25
PW3225-100MT	10	±20%	1MHz	0.420	0.60
PW3225-220MT	22	±20%	1MHz	0.680	0.50
PW3225-101MT	100	±20%	1MHz	3.600	0.15
PW3225-531MT	530	±20%	1MHz	19.500	0.04

PW4532 Series

型號 Part Number	電感量 L (μH)	公差 Tolerance	測試頻率 Test Freq.	直流電阻 DCR(Ω)Max	Isat(A)
PW4532-1R0MT	1.0	±20%	1MHz	0.080	1.80
PW4532-1R5MT	1.5	±20%	1MHz	0.090	1.00
PW4532-2R2MT	2.2	±20%	1MHz	0.100	0.90
PW4532-3R3MT	3.3	±20%	1MHz	0.130	0.80
PW4532-4R7MT	4.7	±20%	1MHz	0.150	0.75
PW4532-6R8MT	6.8	±20%	1MHz	0.185	0.72
PW4532-100MT	10	±20%	1MHz	0.185	0.65
PW4532-150MT	15	±20%	1MHz	0.320	0.57
PW4532-220MT	22	±20%	1MHz	0.600	0.42
PW4532-330MT	33	±20%	1MHz	1.000	0.31
PW4532-470MT	47	±20%	1MHz	1.100	0.28
PW4532-680MT	68	±20%	1MHz	1.700	0.22
PW4532-101MT	100	±20%	1MHz	1.850	0.16
PW4532-151MT	150	±20%	1MHz	3.500	0.13
PW4532-221MT	220	±20%	1MHz	4.000	0.11
PW4532-331MT	330	±20%	1MHz	6.800	0.10
PW4532-471MT	470	±20%	1MHz	8.500	0.09

Isat: 飽和電流，加Isat時，電感值相對初始值下降 ≤ 10%

Isat: Saturation Current, the current when the inductance becomes 10% lower than its initial value.

PW5750 Series

型號 Part Number	電感量 L (μH)	公差 Tolerance	測試頻率 Test Freq.	直流電阻 DCR(Ω)Max	Isat(A)
PW5750-R12MT	0.12	±20%	1MHz	0.0098	6.00
PW5750-R27MT	0.27	±20%	1MHz	0.0140	5.30
PW5750-R47MT	0.47	±20%	1MHz	0.0182	4.80
PW5750-1R0MT	1.0	±20%	1MHz	0.0266	4.00
PW5750-1R5MT	1.5	±20%	1MHz	0.0308	3.70
PW5750-2R2MT	2.2	±20%	1MHz	0.0406	3.20
PW5750-3R3MT	3.3	±20%	1MHz	0.0504	2.90
PW5750-4R7MT	4.7	±20%	1MHz	0.0574	2.70
PW5750-6R8MT	6.8	±20%	1MHz	0.1036	2.00
PW5750-100MT	10	±20%	1MHz	0.1300	1.70
PW5750-150MT	15	±20%	1MHz	0.2100	1.40
PW5750-220MT	22	±20%	1MHz	0.2660	1.20
PW5750-330MT	33	±20%	1MHz	0.4480	0.90
PW5750-470MT	47	±20%	1MHz	0.5600	0.80
PW5750-680MT	68	±20%	1MHz	0.8960	0.64
PW5750-101MT	100	±20%	1MHz	0.7840	0.56

Isat: 飽和電流，加Isat時，電感值相對初始值下降 ≤ 10%

Isat: Saturation Current, the current when the inductance becomes 10% lower than its initial value.