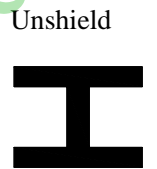
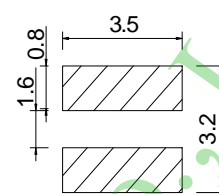
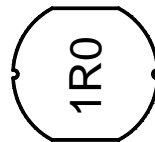
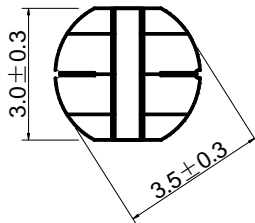


**Inductance Range: 1.0μH~220μH**  
**Temperature Range: -40℃~+125℃**

**PD31 Series**

### DIMENSIONS(mm)

LAND PATTERNS(mm) CONSTRUCTION



### FEATURES:

- ★Quantity / Reel: 3000pcs
- ★Small products, Round 3.5mm, Height 1.6mm Type.
- ★The use of carrier tape package for SMT reflow soldering process
- ★Widely use in DC-DC converter/LCD TV/Notebook/  
PDA/MP3 & MP4 player/Digital camera/DVD etc.
- ★Design to customer requirement

### RoHS Compliant(SGS Certified Result)

Pb	Cd	Cr+6	PBBs	PBDEs
<1000ppm	ND	ND	ND	ND



### Electrical Characteristics:

Part Number	Test Condition	Inductance (μH)	Tolerance (%)	D.C.R(Ω) Max.	Rated Current(A)
PD31-1R0M	100KHz/0.3V	1.0	±20	48m	1.60
PD31-1R5M	100KHz/0.3V	1.5	±20	78m	1.55
PD31-2R2M	100KHz/0.3V	2.2	±20	100m	1.47
PD31-3R3M	100KHz/0.3V	3.3	±20	126m	1.34
PD31-3R9M	100KHz/0.3V	3.9	±20	140m	1.24
PD31-4R7M	100KHz/0.3V	4.7	±20	158m	1.22
PD31-5R6M	100KHz/0.3V	5.6	±20	186m	1.09
PD31-6R8M	100KHz/0.3V	6.8	±20	213m	0.96
PD31-8R2M	100KHz/0.3V	8.2	±20	238m	0.84
PD31-100K, M	1KHz/0.3V	10	±10, ±20	307m	0.70
PD31-120K, M	1KHz/0.3V	12	±10, ±20	372m	0.65
PD31-150K, M	1KHz/0.3V	15	±10, ±20	466m	0.59
PD31-180K, M	1KHz/0.3V	18	±10, ±20	515m	0.54
PD31-220K, M	1KHz/0.3V	22	±10, ±20	656m	0.48
PD31-270K, M	1KHz/0.3V	27	±10, ±20	774m	0.43
PD31-330K, M	1KHz/0.3V	33	±10, ±20	1.021	0.37
PD31-390K, M	1KHz/0.3V	39	±10, ±20	1.122	0.32
PD31-470K, M	1KHz/0.3V	47	±10, ±20	1.509	0.26
PD31-560K, M	1KHz/0.3V	56	±10, ±20	1.675	0.24
PD31-680K, M	1KHz/0.3V	68	±10, ±20	1.919	0.23
PD31-820K, M	1KHz/0.3V	82	±10, ±20	2.644	0.21
PD31-101K, M	1KHz/0.3V	100	±10, ±20	2.870	0.19
PD31-121K, M	1KHz/0.3V	120	±10, ±20	4.084	0.17
PD31-151K, M	1KHz/0.3V	150	±10, ±20	4.774	0.16
PD31-181K, M	1KHz/0.3V	180	±10, ±20	5.699	0.14
PD31-221K, M	1KHz/0.3V	220	±10, ±20	9.000	0.12

- 1、 Inductance is measured with a LCR meter:HP4284A & 3532-50 or equivalent.
- 2、 D.C .R is measured with a Digital Multimeter TH2512B or equivalent.
- 3、 Rated Current: The rated current is the current at which the inductance decreases by 25% from the initial value or the temperature rise is  $\Delta T=40^{\circ}\text{C}$  ,whichecker is smaller( $T_a=20^{\circ}\text{C}$ ).