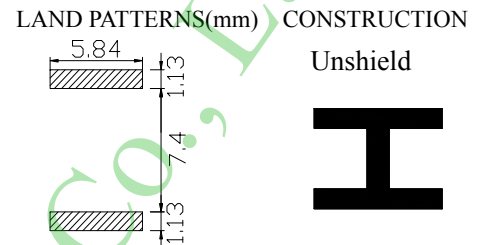
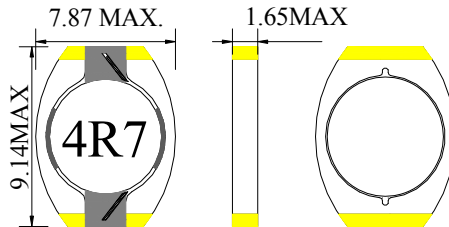


PDC7816-Series

Inductance Range: 4.7 μ H~1000 μ H

Temperature Range: -40 $^{\circ}$ C~+125 $^{\circ}$ C

DIMENSIONS(mm)



FEATURES:

- ★Quantity / Reel: 2500pcs
- ★High current & low DCR, Elliptic 7.87mm*9.14mm, Height 1.5mm Type.
- ★The use of carrier tape package for SMT reflow soldering process
- ★Widely use in DC-DC converter/LCD TV/Notebook/PDA /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 (μ H)	Tolerance (%)	D.C.R(Ω) Max.	Rated Current	
					Isat(A)	Irms(A)
PDC7816-4R7M	100KHz/0.1V	4.7	\pm 20	0.145	1.60	1.90
PDC7816-5R0M	100KHz/0.1V	5.0	\pm 20	0.145	1.60	1.90
PDC7816-6R8M	100KHz/0.1V	6.8	\pm 20	0.165	1.30	1.70
PDC7816-100M	100KHz/0.1V	10	\pm 20	0.240	1.00	1.50
PDC7816-150M	100KHz/0.1V	15	\pm 20	0.300	0.90	1.30
PDC7816-220M	100KHz/0.1V	22	\pm 20	0.420	0.70	1.00
PDC7816-330M	100KHz/0.1V	33	\pm 20	0.550	0.60	0.90
PDC7816-470M	100KHz/0.1V	47	\pm 20	0.765	0.50	0.70
PDC7816-680M	100KHz/0.1V	68	\pm 20	1.100	0.40	0.60
PDC7816-101M	100KHz/0.1V	100	\pm 20	1.600	0.30	0.50
PDC7816-151M	100KHz/0.1V	150	\pm 20	2.500	0.25	0.40
PDC7816-221M	100KHz/0.1V	220	\pm 20	3.650	0.22	0.32
PDC7816-331M	100KHz/0.1V	330	\pm 20	4.650	0.18	0.28
PDC7816-471M	100KHz/0.1V	470	\pm 20	6.750	0.14	0.24
PDC7816-102M	100KHz/0.1V	1000	\pm 20	14.200	0.10	0.16

- 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、 The Isat is the current at which the inductance decreases by 10% from the initial value
- 4、 The Irms by Stand-Type is the current at which the temperature rise is $\Delta T \leq 40^{\circ}$ C, whichever ($T_a = 20^{\circ}$ C) .