

## SMD POWER INDUCTORS/Shielded

### Series PJ



#### FEATURES

- ◆ Ferrite core and with excellent shielding construction.
- ◆ Low resistance, they provide large current, and used for power line.
- ◆ This component is compliant with RoHS legislation and also support lead-free soldering.

#### APPLICATIONS

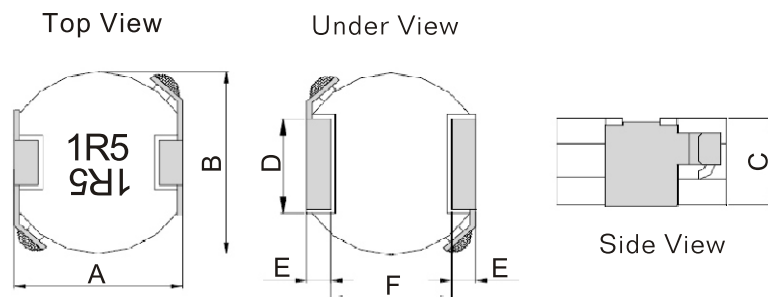
- ◆ Application for power supply or DC to DC converter circuit and charger circuit ; such as LCD-TV 、 PDP-TV 、 HDD 、 PC...etc

#### PRODUCT IDENTIFICATION

PJ   07   X   35   2   M   1U5  
**a**   **b**   **c**   **d**   **e**   **f**   **g**

- a : Type of products      - SMD Power Inductors  
b : Dimension(mm)        - 07 : 7.0 X 7.0    10 : 10.1 X 10  
c : Materials                - Design code  
d : Height (mm)            - 35 = 3.50    45 = 4.5  
e : Packing(PCS / Box)    - 2 = 2,000  
f : Tolerance                - M : ±20%    3 : ±30%  
g : Inductance              - 10U= 10 μH, 220U = 220 μH, 1M = 1000 μH

#### SHAPES & DIMENSIONS



Type	A±0.5	B±0.5	C Max.	D ±0.2	E ±0.2	F ±0.5
PJ07X35	7.0	7.0	3.50	1.7	1.7	3.6
PJ07X45	7.0	7.0	4.50	1.7	1.7	3.6
PJ10X45	10.1	10.0	4.50	3.0	1.2	7.7

Unit : mm

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**ELECTRICAL CHARACTERISTICS**

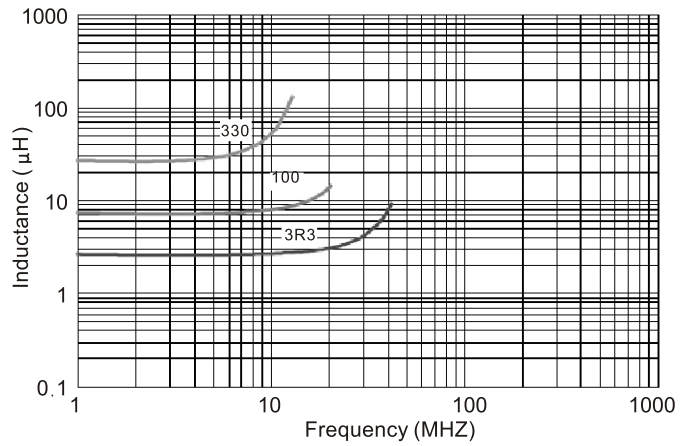
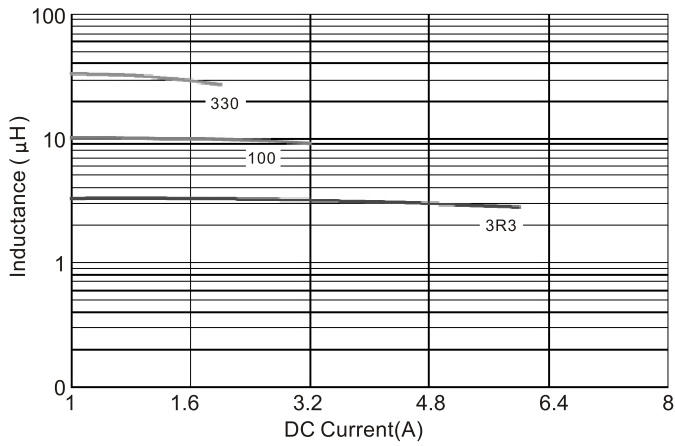
Part Number	Inductance L0 (μ H)	Test Frequency (Hz)	RDC (Ω) ± 20%	Irms (A) max.	Isat (A) max.
PJ07X352□3U3	3.3	0.25/100K	21.0	5.00	6.00
PJ07X352□4U7	4.7	0.25/100K	25.0	4.00	5.00
PJ07X352□10U	10	0.25/100K	50.0	2.50	3.20
PJ07X352□15U	15	0.25/100K	71.0	1.80	2.10
PJ07X352□33U	33	0.25/100K	160.0	1.20	1.80
PJ07X352□100U	100	0.25/100K	450.0	0.75	0.90
PJ07X352□330U	330	0.25/100K	1500.0	0.40	0.45
PJ07X352□1M	1000	0.25/1K	4300.0	0.13	0.15
PJ07X452□1U5	1.5	0.25/100K	8.4	6.50	7.00
PJ07X452□3U3	3.3	0.25/100K	19.0	5.90	6.00
PJ07X452□4U7	4.7	0.25/100K	25.0	4.00	5.00
PJ07X452□5U	5	0.25/100K	22.0	3.90	2.90
PJ07X452□10U	10	0.25/100K	36.0	2.10	2.70
PJ07X452□15U	15	0.25/100K	48.0	1.80	2.60
PJ07X452□22U	22	0.25/100K	88.0	2.00	2.50
PJ07X452□33U	33	0.25/100K	128.0	1.80	2.00
PJ07X452□100U	100	0.25/100K	286.0	0.80	0.90
PJ10X452□1U	1	0.25/100K	6.5	10.00	11.00
PJ10X452□1U5	1.5	0.25/100K	8.1	9.00	10.00
PJ10X452□2U5	2.5	0.25/100K	10.5	7.00	7.50
PJ10X452□3U8	3.8	0.25/100K	13.0	5.50	6.00
PJ10X452□5U2	5.2	0.25/100K	22.0	5.00	5.50
PJ10X452□7U	7	0.25/100K	27.0	4.50	4.80
PJ10X452□10U	10	0.25/100K	35.0	4.00	4.40
PJ10X452□15U	15	0.25/100K	50.0	3.20	3.60
PJ10X452□22U	22	0.25/100K	73.0	2.60	2.90

- 1.All test data referenced to 25°C ambient.
- 2.Testing Instrument :L: HP4284A, CH3252,CH1320 LCR METER RDC : CH1320 MICRO OHMMETER.
- 3.Irms : Value obtained when DC current flows and the coil temperature to risen  $\Delta T \leq 40^\circ\text{C}$ .
- 4.Isat : Value obtained when DC current flows and the nominal value of inductance has fallen by 20%.
- 5.Operating temperature range: -20 to +85°C (Including self-temperature rise)
- 6.Special inquiries besides the above common used types can be met on your requirement.

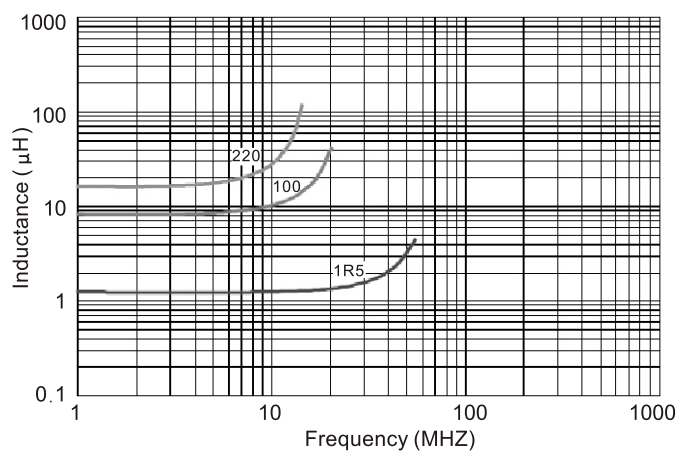
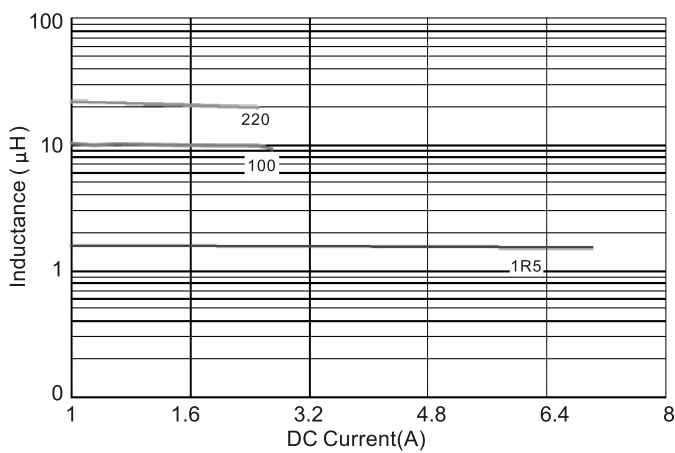
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ELECTRICAL CHARACTERISTICS**

**PJ07X35**



**PJ07X45**



**PJ10X45**

