

Power Inductors Unshielded-SMT Drum 8 x 4 mm

(SDIP0804C Series)



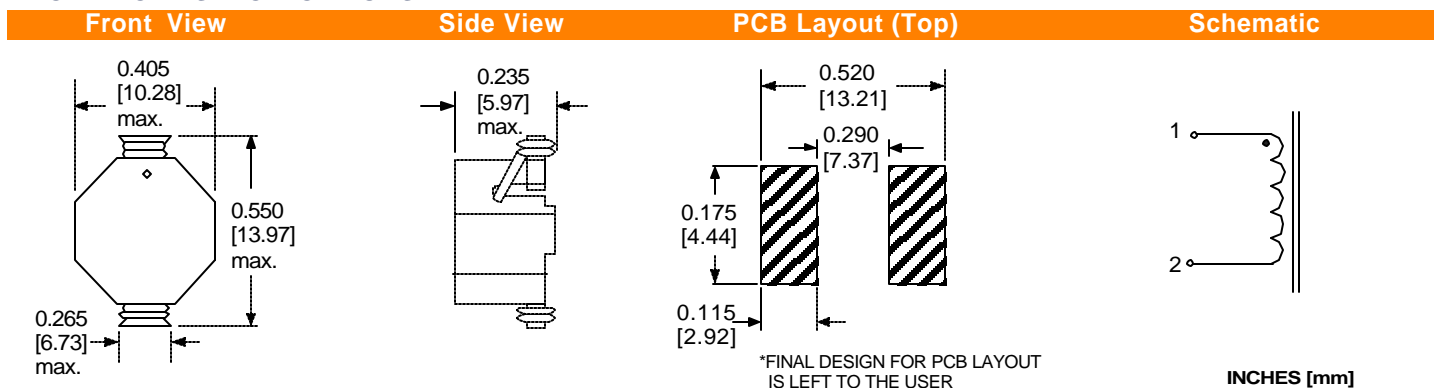
POWER INDUCTORS



MAX. DIM :
L = 13.97 mm
W = 10.28 mm
H = 5.97 mm

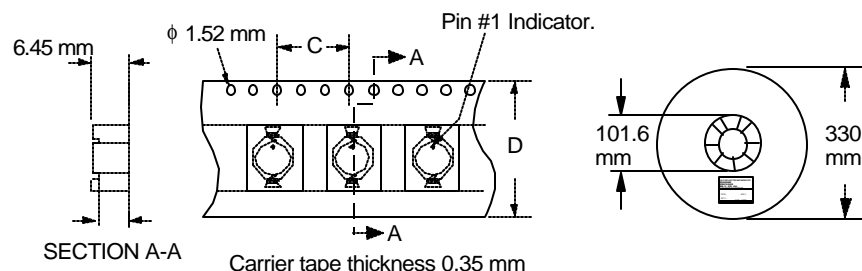
- Used in high frequency DC/DC converters.
- Case for easy pick and place on board
- Low DC resistance.
- Current rating up to 17 Amps.
- Open construction provides stable inductance for increasing current.
- Inductance range from 0.33 μ H to 470 μ H.
- Energy storage limit of 70 μ J.
- Tape & Reel : 600 pcs/Reel, 5 Reels/Box.

MECHANICAL SPECIFICATIONS



Packaging Information

Tape & Reel



ITEM	DESCRIPTION	QTY.
A	QTY. PER REEL	600
B	QTY. PER BOX	3000
C	PITCH	16 mm
D	TAPE WIDTH	24 mm

See tape and reel information 63-001

ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	OCL(μ H) ¹ $\pm 20\%$	DCR (W max)	I rating ² (Amp)	I sat ³ (Amp)
D08C23	0.33	0.0024	17.00	19.00
D08C04	0.6	0.0032	12.00	14.00
D08C03	1.0	0.0043	12.00	10.50
D08C20	1.5	0.0055	12.00	10.10
D08C05	2.2	0.0108	7.20	9.00
D08C01	3.3	0.0150	5.90	6.80
D08C17	4.7	0.0170	4.70	5.40
D08C15	6.8	0.0286	4.10	4.70
D08C19	10.5	0.0408	4.30	4.10
D08C02	15	0.0480	3.60	3.50
D08C22	22	0.0660	2.50	2.60
D08C24	47	0.1400	1.80	1.60
D08C08	68	0.2120	1.50	1.30
D08C18	100	0.3240	1.45	1.20
D08C25	470	1.2000	0.75	0.60

1. Inductance tested at 100 KHz 0.25 V.
 2. Temperature rise is 40°C Typ.
 3. Inductance drop 10% Typ. at Isat.
 4. Operating Temp. range -40° to +85°C.
 5. OCL and DCR tested at Ta= 25°C.

