

Power Inductors Unshielded- SMT Drum 13 x 5 mm

POWER INDUCTORS

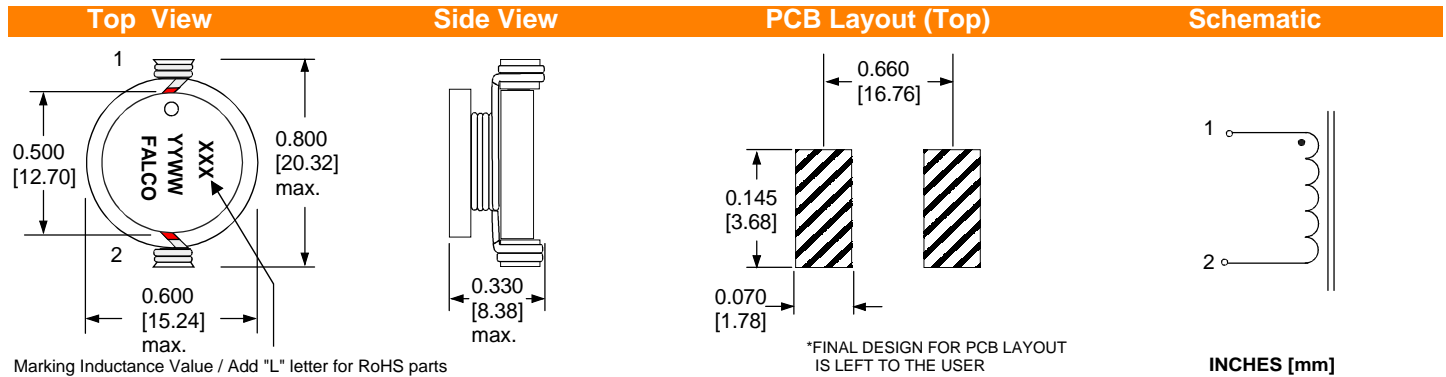
(SDIP1306 Series)



MAX. DIM :
L = 20.32 mm
W = 15.24 mm
H = 8.38 mm

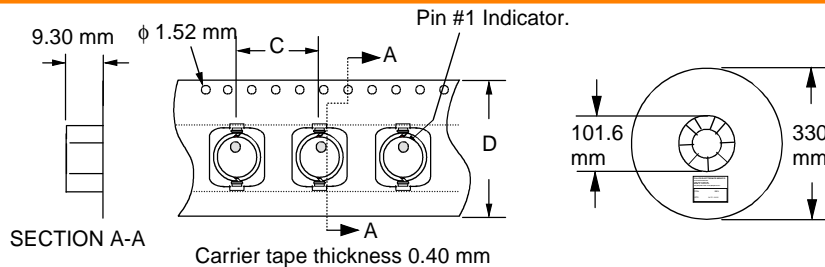
- Used in high frequency DC/DC converters.
- Low DC resistance.
- Robust base for reflow soldering.
- High current handling up to 20 Amps with heavy wire.
- Open construction provides stable inductance for increasing currents.
- Inductance range from 0.91 μH to 470 μH
- Energy storage limit of 400 μJ .
- Tape & Reel : 250 pcs/Reel, 4 Reels/Box.

MECHANICAL SPECIFICATIONS



Packaging Information

Tape & Reel



ITEM	DESCRIPTION	QTY.
A	QTY. PER REEL	250
B	QTY. PER BOX	1000
C	PITCH	24 mm
D	TAPE WIDTH	32 mm

See tape and reel information 42-001

ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	RoHS PART NUMBER	OCL(μH) ¹ $\pm 20\%$	DCR (W max)	I rating ² (Amp)	I sat ³ (Amp)
D13009		0.91	0.0033	20.00	30.00
D13003		1.5	0.0045	17.00	23.00
D13002	D13L02	2.2	0.0065	12.00	16.00
D13010		3.3	0.0073	12.00	14.50
D13011		4.3	0.0078	11.00	13.00
D13006	D13L06	5.2	0.0097	10.00	11.50
D13012		6.8	0.0120	7.50	11.00
D13008		10	0.0240	6.00	10.00
D13028		22	0.0470	4.60	7.00
D13027		39	0.0650	3.75	5.40
D13029		47	0.0860	2.90	5.00
D13031		68	0.1300	2.30	3.50
D13007		220	0.3360	1.20	2.40
D13032	D13L32	330	0.5600	1.00	1.90
D13030		470	0.7350	0.92	1.50

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.



RoHS COMPLIANT PRODUCT

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Inductance & Energy vs Current (SDIP1306 Series)

