

# Power Inductors Unshielded-SMT Drum 4 x 3mm

## POWER INDUCTORS

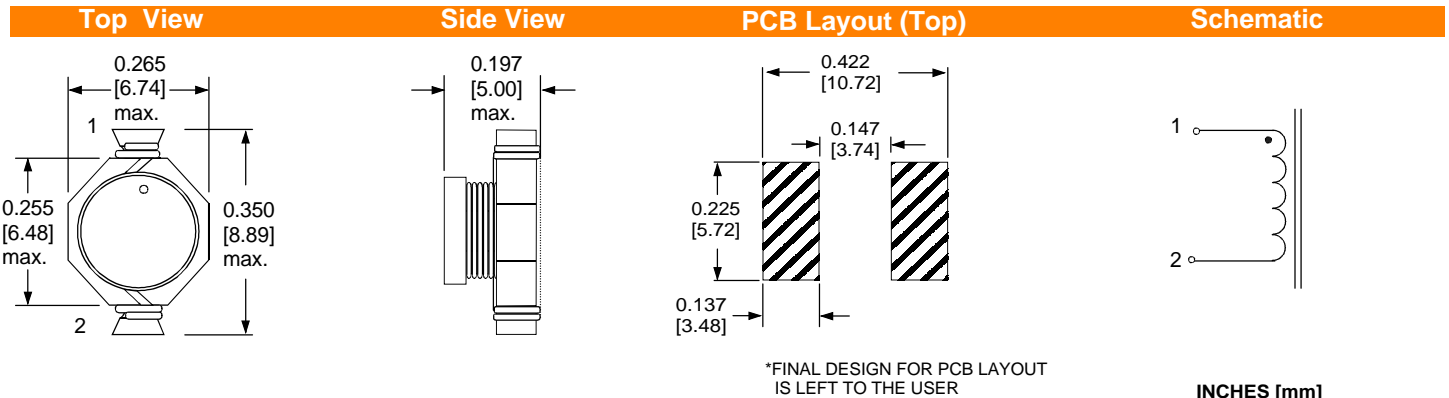
(SDIP0403 Series)



**MAX. DIM :**  
**L = 8.89 mm**  
**W= 6.74 mm**  
**H = 5.00 mm**

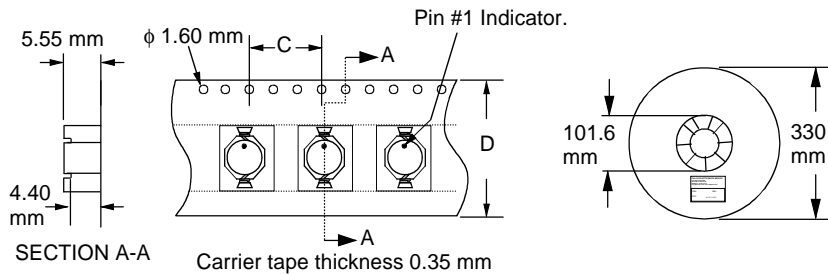
- Used in high frequency DC/DC converters.
- Low DC resistance.
- Robust base for reflow soldering.
- Current rating up to 6 Amps.
- Open construction provides stable inductance for increasing currents.
- Inductance range from 0.56  $\mu\text{H}$  to 220  $\mu\text{H}$ .
- Energy storage limit of 15  $\mu\text{J}$ .
- Tape & Reel : 1000 pcs/Reel, 5 Reels/Box.

### MECHANICAL SPECIFICATIONS



### Packaging Information

### Tape & Reel



ITEM	DESCRIPTION	QTY.
A	QTY PER REEL	1000
B	QTY. PER BOX	5000
C	PITCH	12 mm
D	TAPE WIDTH	24 mm

See tape and reel information 83-002

### ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	RoHS PART NUMBER	OCL( $\mu\text{H}$ ) <sup>1</sup> $\pm 20\%$	DCR (W. max)	I rating <sup>2</sup> (Amp)	I sat <sup>3</sup> (Amp)
D04004	D04L04	0.56	0.0097	6.00	7.70
D04011	D04L11	1.0	0.0140	4.40	5.30
D04007		1.5	0.0220	4.20	4.50
D04006	D04L06	2.5	0.0245	3.50	3.50
D04001		3.33	0.0426	2.90	3.00
D04012	D40L12	4.44	0.0515	2.20	2.50
D04005		6.8	0.0540	1.80	2.20
D04002	D04L02	10.0	0.1100	1.50	1.80
D04014	D04L14	23.5	0.2000	1.00	1.10
D04015	D04L15	47.0	0.4700	0.72	0.82
	D04016	220	1.9000	0.32	0.35

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 (SDIP0403 Series)

