

Power Inductors Shielded-SMT ER 12 x 9 mm Heli-Coil

POWER INDUCTORS

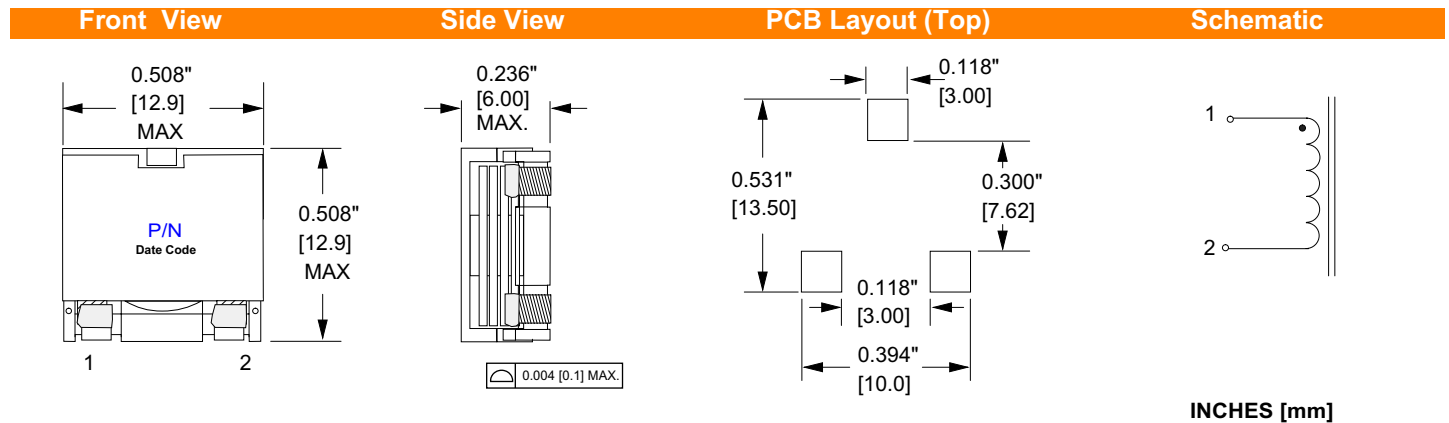
(HCER1206 Series)



MAX. DIM :
L = 12.90 mm
W = 12.90 mm
H = 6.00 mm

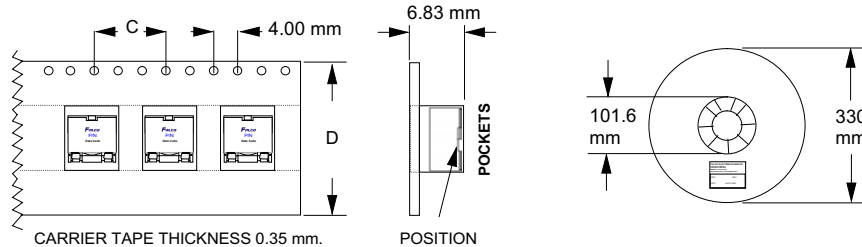
- Used in buck and boost DC/DC converters.
- Magnetically shielded for low EMI radiation.
- Current rating up to 14 Amps.
- Large energy storage and DC current capability.
- Suitable for either wave or reflow soldering process.
- Cost effective solution for high power requirements.
- Construction meet 155°C rated material.
- Energy storage limit of 200 μ J.
- Tape & Reel : 500 pcs/Reel, 5 Reels/Box.

MECHANICAL SPECIFICATIONS



Packaging Information

Tape & Reel



ITEM	DESCRIPTION	QTY.
A	QTY. PER REEL	500
B	QTY. PER BOX	2500
C	PITCH	16mm
D	TAPE WIDTH	24mm

See tape and reel information 63-008

ELECTRICAL SPECIFICATIONS

FALCO PART NUMBER	Inductance (μ H)	Saturation Current (A)	Rated Current (A)	DC Resistance (m Ω)
	L_i (at 25°C) ¹	I_{sat} (at 25°C) ²	T= 40°C ³	max. (at 25°C)
ER1205	1.5 \pm 20%	14.0	16.5	2.50
ER1204	6.0 \pm 20%	6.0	7.5	8.00

1. L_i = Initial inductance tested at 100 KHz 0.25 V & 0 ADC.
2. I_{SAT} = DC current value at which L_i decreases to 90% typ.
3. The DC current value at which T of coil rises 40 °C typ.
4. Operating Temp. range -40°C to +125°C.
5. Storage Temperature Range -40°C to +85°C

Inductance vs Current

