

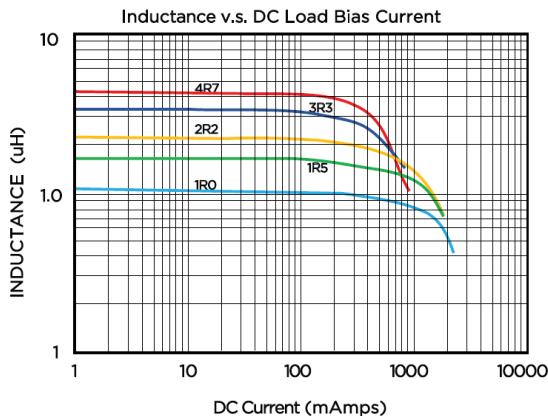
SMALL and MIGHTY

Multi-Layer Construction brings high Current performance

Pulse Electronics has expanded it's RF inductor range with a selection of high current, multi-layer constructed, SMD Chip Inductors in 0603, 0805 and 1008 sizes to complement the existing ceramic and ferrite RF inductor ranges.

The new "CLH" series offers a small selection of inductance values and the inherent low DC resistance gives superior DC bias current handling capabilities from a few millamps to 1.6Amps (see graph) when compared to traditional ferrite or ceramic sized solutions.

The use of modern monolithic materials also gives enhanced magnetic shielding resulting in low Cross coupling with PCB tracks and other inductors, allowing for closer proximity on layouts saving PCB real estate



Features and Benefits:

- Monolithic inorganic material
- Low DC resistance support higher DC bias currents
- Magnetically shielded for low Cross coupling
- Operate temperature -40°C up to +85°C
- Supports WAVE Soldering with 260°C Peak

Applications:

PE-0402CL

- RF filtering - LC and LCR circuits
- Tuners, GPS, Antenna Amplifiers

PE-xxxxCLH

- Voltage Regulators, POL Inductors.
- DC/DC converters and chargers
- Computers, Mobile Comms



Full Data sheets containing the whole range can be downloaded by clicking on the highlighted links in the table below

INDUCTANCE RANGE SELECTION FOR MULTI-LAYER SERIES INDUCTORS

Part Number	Size	Construction	Inductance Range	Inductance (xH)						
				1 n	10 n	100 n	1 u	10 u	100 u	1 m
PE-0402CL	0402	Multi-layer Ceramic	1.0 to 120			100 n				
PE-0603CLH	0603	Multi-layer Ceramic	220 to 2,200				1 u			
PE-0805CLH	0805	Multi-layer Ceramic	470 to 4,700					10 u		
PE-1008CLH	1008	Multi-layer Ceramic	470 to 4,700						100 u	

[Datasheet](#)

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