

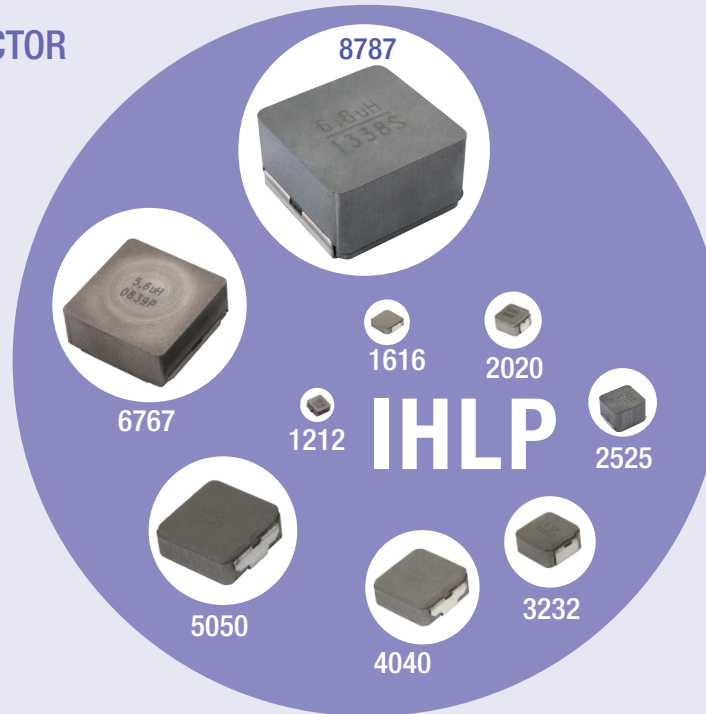
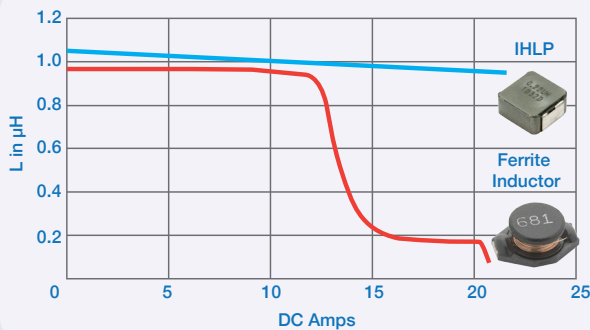


IHLP[®] POWER INDUCTORS

LOW-PROFILE POWER INDUCTORS

IN A NUTSHELL

SATURATION – IHLP VS. FERRITE INDUCTOR



NINE FOOTPRINTS AVAILABLE WITH A VARIETY OF HEIGHT OPTIONS

| Size | Current rating for 1 μH (A) | Foot-print (mm) | Profile | Profile height (mm) |
|------|-----------------------------|-----------------|----------------|---------------------|
| 1212 | 4.5 | 3 x 3 | AZ, AB, BZ | AZ = 1.0 |
| | | | | AB = 1.2 |
| 1616 | 4.5 | 4 x 4 | AB, BZ | AH = 1.8 |
| | | | | BZ = 2.0 |
| | | | | BD = 2.4 |
| 2020 | 9.2 | 5 x 5 | AB, BZ, CZ | CZ = 3.0 |
| | | | | CE = 3.5 |
| | | | | DZ = 4.0 |
| 2525 | 13.0 | 6 x 6 | AH, BD, CZ, EZ | EZ = 5.0 |
| | | | | FD = 6.4 |
| | | | | GZ = 7.0 |
| 4040 | 20.0 | 10 x 10 | DZ | MZ = 13.0 |
| | | | | |
| 6767 | 48.0 | 17 x 17 | DZ, GZ | |
| | | | | |
| 8787 | 69.0 | 22 x 22 | MZ | |

APPLICATIONS

DC/DC converters

- Power supplies for computers, notebooks, graphic cards, servers

Class “D” amplifiers

- LCD TVs and portable MP3 speakers

LED driver power

- Commercial LED lighting
- LCD display backlights

Automotive

- DC/DC converters
- Filters for noise suppression

All currently available IHLP footprints meet or exceed AEC-Q200 Grade 0 and Grade 1 requirements

| Four Different Material Types | Commercial Series | Automotive Grade Series |
|-------------------------------|-------------------|-------------------------|
| Original Series | IHLP - 01 | IHLP - A1 |
| Low DCR Series | IHLP - 11 | IHLP - 1A |
| High Temp Series (+155 °C) | IHLP - 51 | IHLP - 5A |
| High Temp Series (+180 °C) | IHLP - 81 | IHLP - 8A |

| | | | | | | |
|-------------|----------------|--------------|--------------------|------------|----------|------------------|
| IHLP | 2525 | CZ | ER | 1R0 | M | 01 |
| Series | Footprint (in) | Profile (mm) | Pb free/ Packaging | L (μH) | L Tol | Material/Special |