

Inductor & Choke

RFQ Checklist & Selection Quick Reference

Share as much of the detail below as you can — the more we have, the faster one dedicated engineer can return a proposed design and indicative pricing (typically within 48 hours). P&A International is an engineering-led contract manufacturer; every supplier in our network is ISO 9000 certified or better.

1. What to send us for a fast, accurate quote

- Inductance, tolerance and rated / saturation current
- Function (power, PFC, output, common-mode, differential)
- Ripple current, frequency and DCR / AC-resistance targets
- Mounting (through-hole / SMD / chassis) and footprint/height
- Temperature rise and EMI requirements
- Target cost and annual volume or call-off pattern
- Any reference design, competitor part number or physical sample

2. Which inductor / choke? - quick reference

Option	Best for
Power / output	High-current, low-loss for SMPS output and storage.
PFC / boost	Power-factor-correction and boost stages.
Common-mode choke	EMI/EMC suppression on power and data lines.
SMD / flat-wire	Surface-mount and high-current compact designs.

3. Design factors that shape the quote

- **Function:** power/output, PFC, common-mode or differential filtering sets core and winding.
- **Inductance & current:** L, rated and saturation current and ripple set core size, gap and wire.
- **AC resistance:** litz, foil or flat-wire cuts AC/proximity loss at high frequency.
- **Core & stability:** powder, ferrite or gapped cores for stable L vs current and temperature.
- **Format:** through-hole, SMD, flat-wire high-current or chassis to your footprint and height.

Send your completed checklist (and any drawing or sample) and one dedicated engineer will respond with a proposed design and indicative pricing. No project too big or too small.