R-Type Transformer

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

- Primary and secondary voltages, VA rating and number of outputs
- Load regulation, taps and any screen requirement
- Noise / stray-field constraints (audio, instrumentation)
- Isolation and safety requirements, and target standards
- Mechanical envelope, height limit and mounting
- Target cost and annual volume or call-off pattern
- Any reference design, competitor part number or physical sample

2. Which R-Type variant? - quick reference

Option	Best for
Audio R-Type	Hi-fi and pro audio - low noise and stray field.
Power R-Type	Compact, high-efficiency power, a few VA to multi-kVA.
Medical / instrumentation	Reinforced isolation for medical and lab equipment.
Low-profile	Height-constrained designs for compact enclosures.

3. Design factors that shape the quote

- **R-Type vs toroidal/EI:** toroidal-like efficiency and low field, easier clamping, often lower height.
- **Voltage & regulation:** voltages, taps and regulation set the turns ratio, copper and core.
- **Noise & field:** winding balance and core geometry minimise hum and radiated field.
- **Temperature rise:** loss sets the insulation class; core, wire gauge and build stay in limit.
- **Mounting:** clamp, base plate or flying-lead to suit your enclosure.

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.