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<u>Design:</u> - electrical -	<p>If the design is not fix yet then the most important items have to be marked with a cross (X) or priorities (1 ... 8) have to be defined:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Inductance value: <input type="checkbox"/> Max temperature of component:°C at an ambient temperature of°C <input type="checkbox"/> MAX DC resistance:mΩ <input type="checkbox"/> Current: <i>NOMINAL</i>: A <i>MAX</i>: A <input type="checkbox"/> Nominal wire Diameter Range: mm
<u>Design:</u> - geometrical -	<ul style="list-style-type: none"> <input type="checkbox"/> MAX coil length (including ferrite core): <input type="checkbox"/> MAX outside diameter: <input type="checkbox"/> Determined for PCB-assembly <ul style="list-style-type: none"> <input type="radio"/> SMD (→in case of SMD-chokes please complete “Special information regarding SMD-choke” at the end of this questionnaire. <input type="radio"/> THT <p>For most effective results regarding economical lead bendings we offer and appreciate the exchange of data:</p> <ul style="list-style-type: none"> <input type="checkbox"/> CAD-drawing / 3D-models of brushcard / PCB available? <input type="checkbox"/> Assembly part (brushcard / PCB) available?
<u>Assembly</u> (in general):	<ul style="list-style-type: none"> <input type="checkbox"/> Manual <input type="checkbox"/> Automized assembly <ul style="list-style-type: none"> <input type="radio"/> With gripper <input type="radio"/> Pick and place <i>with plateau</i> needed for picking with suction nozzle: please complete “Special information regarding SMD-choke” at the end of this questionnaire.
<u>Assembly</u> (process):	<ul style="list-style-type: none"> <input type="checkbox"/> <i>Soldering</i> - which kind of soldering process? <input type="checkbox"/> <i>Welding</i>. Which kind of welding? <input type="checkbox"/> <i>Crimping</i>: <input type="checkbox"/> <i>Other</i>:
<u>Tinning of leads:</u>	<ul style="list-style-type: none"> <input type="checkbox"/> Solder material: <ul style="list-style-type: none"> <input type="radio"/> <i>Leaded</i> <input type="radio"/> <i>Leadfree</i> <input type="radio"/> <i>Only stripped, not tinned</i> <input type="checkbox"/> <i>Stripping-tinning-process</i> (→tin thickness: appr. 1µm): <ul style="list-style-type: none"> - Long term solderability can not be ensured - Optimal for welding and crimping assembly <input type="checkbox"/> <i>SPECIAL-stripping-tinning process: DDL method</i> (→ tin thickness: 3µm ... appr. 30µm): <ul style="list-style-type: none"> - Long term solderability can be ensured - Optimal for soldering process - necessary for SMD-chokes with additional request of long term solderability - recommended for THT-chokes with request of long term solderability - no tin tips (=cut lead ends) <input type="checkbox"/> <i>Separate dip tinning process</i> (→ tin thickness: 3µm ... appr. 30µm): <ul style="list-style-type: none"> - Long term solderability can be ensured - Optimal for soldering assembly process - <u>with</u> tin tips

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<u>Application:</u>	<input type="checkbox"/> industrial application <input type="checkbox"/> medical equipment <input type="checkbox"/> avionic system <input type="checkbox"/> consumer electronics → Details (e.g. DC/DC-converter, Pager,...): → SOP / time schedule for samples: → needed / planned Quantity p.a.: → target price (in € / 100pcs.):
<u>Packaging:</u>	<input type="checkbox"/> Bulk <input type="checkbox"/> Single packaging <input type="radio"/> Blister tray <input type="radio"/> Blister belt <input type="radio"/> Magazines
<u>Remarks:</u>

Useful & economical tolerances for ferrite cores and coils/chokes:

<u>Ferrite cores:</u>	<ul style="list-style-type: none"> • Core diameter: $\pm 3\%$ • Core length: $\pm 3\%$
<u>Coils:</u>	<ul style="list-style-type: none"> • Stripping length: 3 mm <i>The full spread of stripping must be before or after a lead bending on account of accuracy reasons.</i> • Leg/lead length: $\pm 0,5\text{mm}$. • Bending of legs/leads: $\pm 5^\circ$ • End position after winding process: $\pm 5^\circ$ up to $\pm 10^\circ$ depending on the wire diameter • Core position into coil: → side with limit stop in the glueing magazine: $\pm 0,3\text{ mm}$ → opposite side = glueing side tolerance + absolute tolerance of the length of ferrite core

Special information regarding SMD – chokes / pick and place plateau:

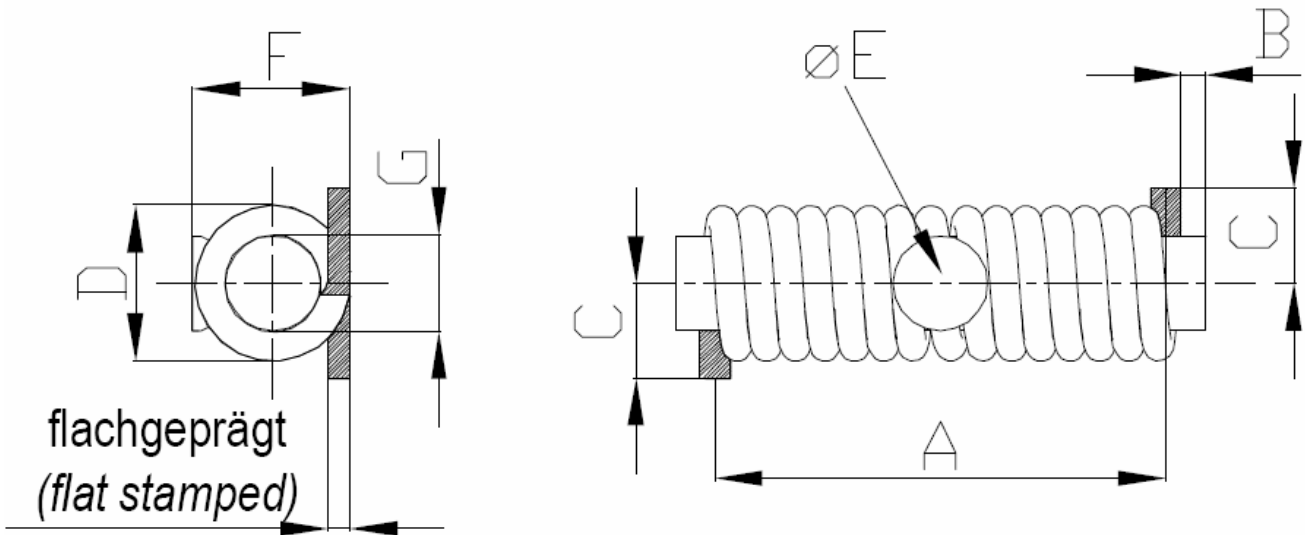
<u>Circuit board:</u>	<input type="checkbox"/> SMD – pad layout required / fixed? <input type="radio"/> No <input type="radio"/> Yes (⇒ please forward a sketch / drawing) <input type="checkbox"/> Maximal available over all dimension: <input type="checkbox"/> Embossement of the leg ends is preferred? <input type="radio"/> No <input type="radio"/> Yes
<u>Choke/Plateau for pick and place assembly:</u>	<input type="checkbox"/> Plateau-Size (pick and place area) specified? <input type="radio"/> No ⇒ diameter can be defined by the supplier <input type="radio"/> Yes ⇒ please forward a sketch / drawing <input type="checkbox"/> Other information / requirements:

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Sketch for further information (rodcore choke in SMD):



Sketch for further information (rodcore choke in THT):

