Custom designed inductive components

To meet customer's special requirements, UTK Component designs, develops and produces special inductive components, offering its experience and technological competence and a high qualified designing staff.

In the following you can find a technical data sheet including reference parameters useful for the design of pulse and drive transformers, current sense transformers, switching inductors and transformers for low and high power. To request the design of a special product, please fill in the form and sketch the application circuit diagram.

Power conversion transformers

Data sheet

Switching power supply circuit used		
Primary voltage **(Vdc)**	**min.:**	**max.:**
Primary inductance **(mH)**		
Tolerance on inductance **(%)**		
Primary current r.m.s. **(mA)**		
Max primary over current **(mA)**		
Working frequency **(kHz)**		
Switching time **(µs)**	**ton max.:**	**ton min.:**
Rated power **(W)**		

For each secondary

	1	**2**	**3**	**4**
Peak voltage **(V)**				
Peak current **(A)**				
RMS current **(A)**				
Turns ratio				
Output power **(W)**				
Working voltage between different windings **(V)**				
Test voltage between different windings **(V)**				
Operating temperature **(°C)**				
Open construction or box version				
Size limitations **(mm)**				
Standards to comply with				
Quantity				
Target price				

50/60 Hz Current transformers

Data sheet

Primary current r.m.s. **(mA)**	
Max primary over current **(mA)**	
Working frequency **(kHz)**	
Secondary inductance **(mH)**	
Load resistance **(Ω)**	
Accuracy **(%)**	
Working voltage between primay and secondary **(V)**	
Test voltage between primay and secondary **(V)**	
Operating temperature **(°C)**	
Size limitations **(mm)**	
Passing through hole model (show the dimensions)	
Inside primary wire model	
Standards to comply with	
Quantity	
Target price	

HF Current sense transformers

Data sheet

Primary current r.m.s. **(mA)**	
Max primary over current **(mA)**	
Working frequency **(kHz)**	
Secondary inductance **(mH)**	
Load resistance **(Ω)**	
Primary vs. secondary current linearity **(%)**	
Working voltage between primay and secondary **(V)**	
Test voltage between primay and secondary **(V)**	
Operating temperature **(°C)**	
Size limitations **(mm)**	
Passing through hole model (show the dimensions)	
Inside primary wire model	
Standards to comply with	
Quantity	
Target price	

Pulse and drive transformers

Data sheet

Turns ratio _____

Min. voltage time area at winding **(µVs)** _____

Primary inductance **(mH)** _____

Tollerance on inductance **(%)** _____

Primary current r.m.s. **(mA)** _____

Max. primary over current **(mA)** _____

Working frequency **(kHz)** _____

Max. coupling capacity between windings **(pF)** _____

Max. admitted value of leakage inductance **(µH)** _____

Working voltage between different windings **(V)** _____

Test voltage between different windings **(V)** _____

Operating temperature **(°C)** _____

Size limitations **(mm)** _____

Standards to comply with _____

Quantity _____

Target price _____

Inductors

Data sheet

Inductance value at nominal rated current **(µH)** _____

Tollerance on inductance **(%)** _____

Rated current r.m.s. **(mA)** _____

Max. over current **(mA)** _____

Working voltage **(V)** _____

Working frequency **(kHz)** _____

Rated power **(W)** _____

Operating temperature **(°C)** _____

Open construction or box version _____

Size limitations **(mm)** _____

Standards to comply with _____

Quantity _____

Target price _____