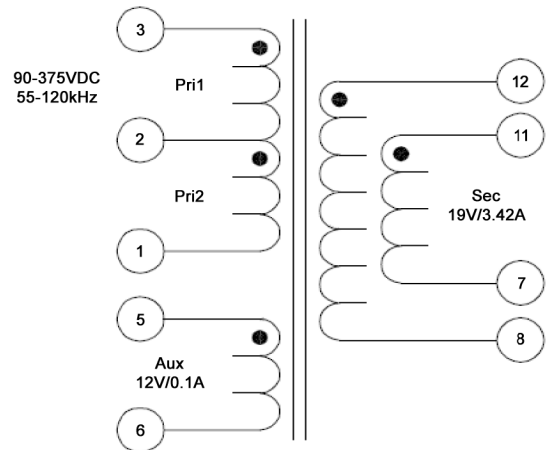


**SCHEMATIC**



SECONDARY WINDINGS TO BE CONNECTED IN PARALLEL ON PCB

Compliance: RohS II (2011/65/EU)

tolerances	<b>ICS</b>	Product Data-sheet	<b>2 05 36</b>
			page 1/2
	drawn: D. Rauschert, 25.07.2018	<b>Transformer</b>	
	approved: C. Schmid, 25.07.2018		
	Part Number	<b>ICST50412100LHK61</b>	
date: modification, name			

Specifications:

Turns ratio: 6:1 (Pri:Sec)  
 9:1 (Pri:Aux)  
 1:1 (Pri1:Pri2)

Core-shape: ER28/14

Topology: Flyback

Inductance (10 kHz, 0.1 V): Pri (pin 3-1): 500.0 µH +/-10%

Output power: 65 W max. (19 V / 3.42 A)

Input voltage range: 90-375 V DC

Operating frequency: 55-120 kHz

Dielectric strength: 3.75 kV AC for 2 sec. (Pri to Sec)  
 1.5 kV AC for 2 sec. (line to core)

Stray inductance (100 kHz, 0.1 V): 10.0 µH max. (shorted other)

Resistance per winding: Pri: 248.0 mOhm max.  
 Sec: 16.0 mOhm max.  
 Aux: 55.0 mOhm max.

Primary voltage-time-constant: n.a.

Operating temperature: -20°C to +120°C

Material: Bobbin: ER2828 6+6 Pin, Phenolic, UL94V-0, E59481, E54705, E41429  
 Core: Ferrite ER28/14, P4, RM2.3K, NH2B, TP4 or Equ.  
 Wire: PU-enamelled copper, E201757, E344055, E221719  
 Wire: Triple insulated wire, E206440, E213764, E236542  
 Margin Tape: E165111, E17385  
 Insulation Tape: Polyester, E165111, E17385  
 Epoxy Glue: E-500, E218090  
 Varnish: E314793, E317427, E303754  
 Tube: Teflon tube, E338209, E175982  
 Tin: Sn99.3Cu0.7 or Sn99Ag0.3Cu0.7

Compliance: RohS II (2011/65/EU)

tolerances	<b>ICS</b>	Product Data-sheet	<b>2 05 36</b> page 2/2
	drawn: D. Rauschert, 25.07.2018 approved: C. Schmid, 25.07.2018	<b>Transformer</b>	
date: modification, name	Part Number <b>ICST50412100LHK61</b>		