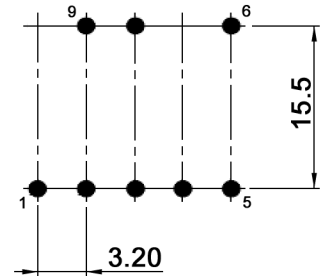
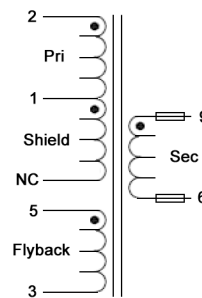


P.C. LAYOUT
TOP VIEW



SCHEMATIC



Specifications:

Turns ratio:	6.052:1 (Pri:Flyback), 16.42:1 (Pri:Sec), 7.187:1 (Pri:Shield)
Core-shape:	EE16
Topology:	Flyback
Inductance (10 kHz, 0.1 V):	Pri(pin 2-1): 1.67 mH +/-10%
Output power:	6 W (5 V / 1.2 A)
Input voltage range:	120 - 375 V
Operating frequency:	100 kHz
Dielectric strength:	4.5 kV AC fo 2 sec. (Pri to Sec)
	2.0 kV AC for 2 sec. (line to core)
Stray inductance (100 kHz, 0.1 V):	18.0 µH typ. (100 µH max., all other shorted)
Resistance per winding:	Pri: 2.87 Ohm +/-10%
	Flyback: 210.0 mOhm +/-10%
	Sec: 24 mOhm +/-20%
Primary voltage-time-constant:	n.a.
Operating temperature:	-40°C to +120°C
Material:	Bobbin: EE16, 5+5 PIN Phenolic, UL94V-0, E59481, E54705, E41429
	Core: Ferrite EE16 P4, RM2.3K, NH2B, TP4 or Equ
	Wire: PU-enamelled copper, Class F, E201757, E344055, E221719
	Wire: Triple insulated wire, E206440, E213764, E236542
	Insulation tape: Polyester, E165111, E17385
	Tube: Teflon, E338209, E175982
	Varnish: E314793, E317427, E303754
	Tin: Sn99.3Cu0.7 or Sn99Ag0.3Cu0.7

Compliance: RohS III (2015/863/EU)

tolerances	knitter-inductive	Product Data-sheet	2 03 51
			page 1/1
	drawn: D. Rauschert, 03.08.2017	Transformer	
	approved: J. Hansen, 03.08.2017		
	Part Number		
	ICST16511100LHK61		
date: modification, name			