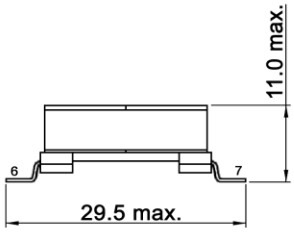
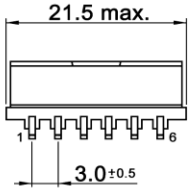
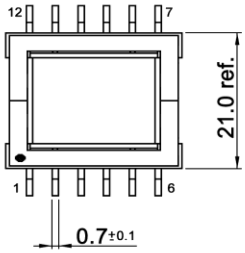
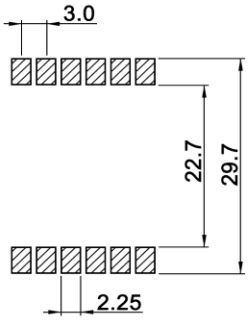


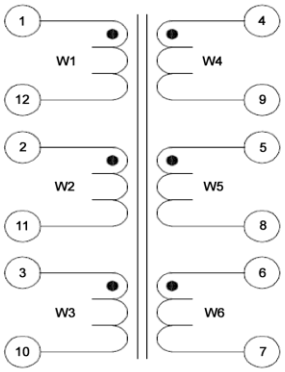




P.C.B. LAYOUT



SCHEMATIC



Specifications:

Turns ratio:	1:1:1:1:1:1 (W1:W2:W3:W4:W5:W6)
Core-shape:	EFD20
Topology:	Flyback / Push-Pull / Step-Up / Step-Down / SEPIC / Forward convertor
Inductance (10 kHz, 1.0 V):	9.9 µH +/-20% (per winding)
Rated current:	1.91 A typ. (temperature rise 40°C max.)
Saturation Current (L=10% drop):	1.17 A typ.
Dielectric Strength:	0.5 kV AC for 2 sec. (winding to winding) 0.8 kV AC for 2 sec. (line to core)
Stray inductance (10 kHz, 1.0 V):	0.18 µH typ. (W1, all other shorted)
Resistance per winding:	30.0 mOhm max. (per winding)
Primary Voltage-Time-constant:	n.a.
Operating temperature:	-40 °C to +125 °C
Materials:	Bobbin: SMT EFD20, 6+6 PIN, PHENOLIC, UL94V-0, E59481, E41429, E54705 Core: Mn-Zn Ferrite, EFD20, RM2.3K/P4/NH2B/TP4 or equ. Wire: PU-enamelled copper, Class F, E201757, E344055, E221719 Insulation tape: Polyester, E165111, E17385 Varnish: E314793, E317427, E303754 Tin: Sn99.3Cu0.7 or Sn99Ag0.3Cu0.7

Compliance: RohS II (2011/65/EU)

tolerances	knitter-inductive	Product Data-sheet	2 06 82 page 1/1
	drawn: D. Rauschert, 08/18	Transformer	
	approved: C.Schmid, 08/18		
	Part Number	ICST99233000SHMT61	
date: modification, name			