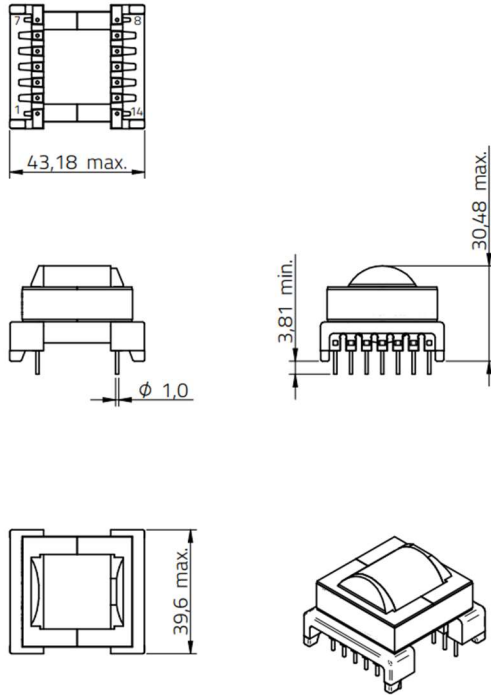
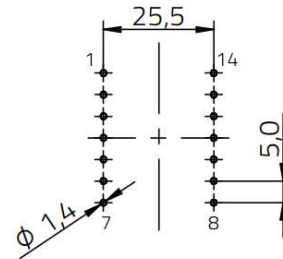


ETD34 Flyback Transformer

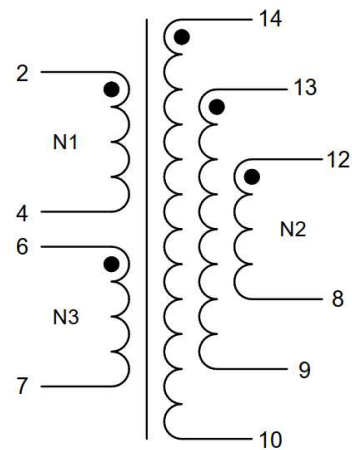
Dimensions(mm)



Recommended Land Pattern(mm)



Schematic



Electrical Properties

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	N1/ 10kHz/100mV	180	μ H	$\pm 10\%$
Turns Ratio	n	N1: N2: N3	4:1:0.67		
Saturation Current	I _{SAT}	N1/ $\Delta L/L$ <20%	7.4	A	Typ.
DC Resistance 1	R _{DC 1}	N1/20°C	0.135	Ω	$\pm 20\%$
DC Resistance 2	R _{DC 2}	N2/20°C	0.027	Ω	Max.
DC Resistance 3	R _{DC 3}	N3/20°C	0.055	Ω	Max.
Leakage Inductance	L _S	N1/100kHz/100mV	4	μ H	Max.



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Insulation Test Voltage	V_T	N1,3=>N2	4500	V(AC)	
Insulation Test Voltage	V_{T2}	N1=>N3	1000	V(AC)	

General Information

Operating Temperature	-40°C up to +125°C
Storage Conditions (in original packaging)	<40°C; <75% RH
Moisture Sensitivity Level (MSL)	1
Electrical Specifications @25°C unless otherwise noted	

Typical Application

Properties		Value	Unit
Input Voltage	V_{in}	85-265	V(AC)
Switching Frequency	F_{switch}	75	kHz
Output Voltage 1	V_{out1}	36	V
Output Current 1	I_{out1}	3	A
Auxiliary Voltage	V_{aux}	25	V

Input: N1

Output 1: N2

Auxiliary: N3

Table shows a typical flyback application. Values may vary by application.