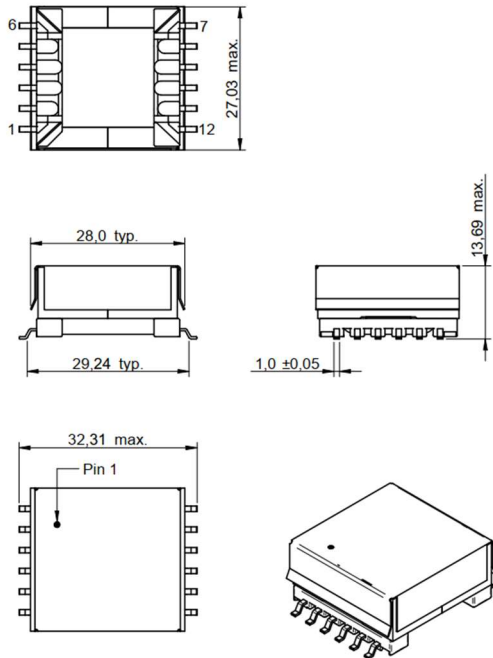




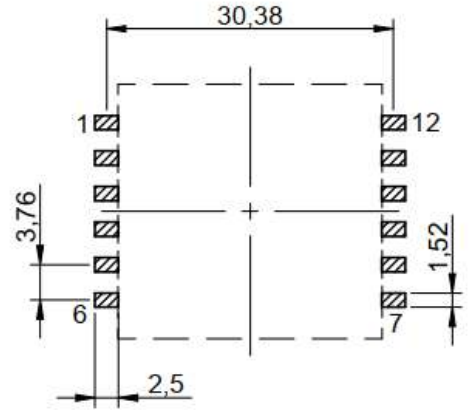
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EFD25 Flyback Transformer

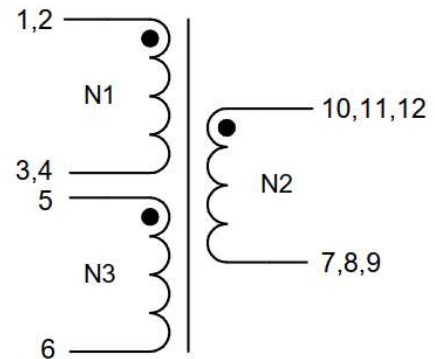
Dimensions(mm)



Recommended Land Pattern(mm)



Schematic



Electrical Properties

Properties		Test conditions	Value	Unit	Tol.
Inductance	L	N1/ 150kHz/100mV	20	μH	±10%
Turns Ratio	n	N1: N2: N3	1.5:1:0.5		
Saturation Current	I _{SAT}	N1/ ΔL/L <20%	16	A	Typ.
DC Resistance 1	R _{DC 1}	N1/20°C	0.024	Ω	±20%
DC Resistance 2	R _{DC 2}	N2/20°C	0.017	Ω	±20%
DC Resistance 3	R _{DC 3}	N3/20°C	0.058	Ω	±20%
Leakage Inductance	L _s	N1/100kHz/10mV	0.225	μH	Max.
Insulation Test Voltage	V _T	N1,3=>N2	1500	V(AC)	

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General Information

Operating Temperature	-40°C up to +125°C
Storage Conditions (in original packaging)	<40°C; <75% RH
Storage Conditions (for single parts)	-20 up to +60°C
Moisture Sensitivity Level (MSL)	1
Test conditions of Electrical Specifications +20°C, 33% RH if not specified differently	

Typical Application

Properties		Value	Unit
Input Voltage	V_{in}	19-70	V(AC)
Switching Frequency	F_{switch}	150	kHz
Output Voltage 1	V_{out1}	24	V
Output Current 1	I_{out1}	2.5	A
Auxiliary Voltage	V_{aux}	12	V

Input: N1

Output 1: N2

Auxiliary: N3

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