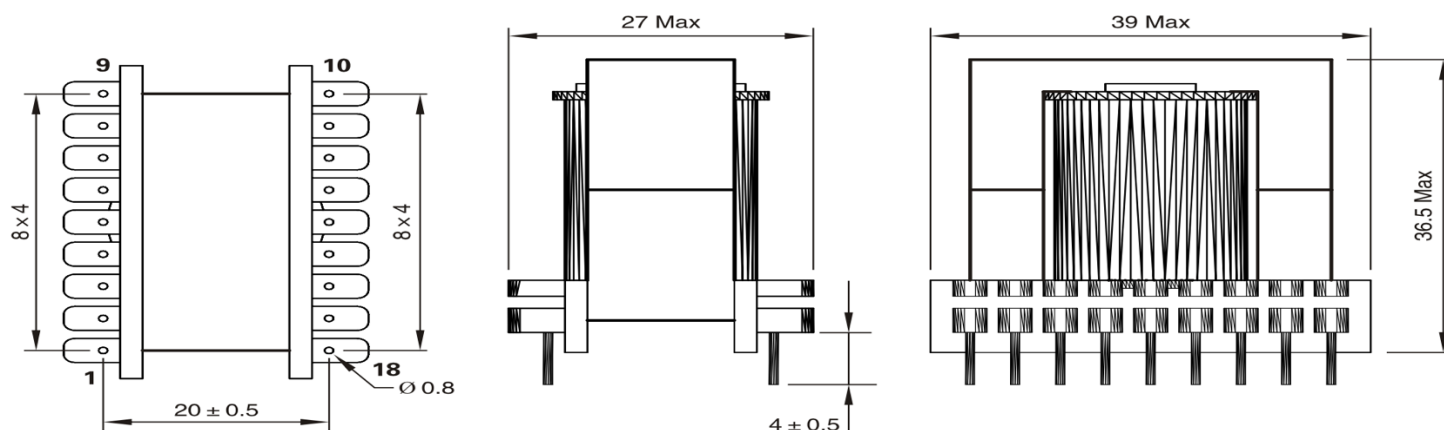


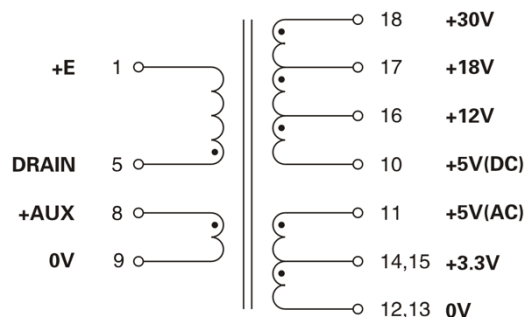
FLYBACK TRANSFORMER – ERL28 – Four output



SHAPES AND DIMENSIONS



SCHEMATIC DRAWING



REFERENCE CONTROL IC DESIGN

Control IC Manufacturer	Control IC PN	Input Voltage	Power	Frequency
Power Integrations	TOP246Y	185~265 Vrms	60W	66 or 132KHz
Power Integrations	TOP246Y	85~265 Vrms	45W	66 or 132KHz

CHARACTERISTIC

FLYBACK TRANSFORMER: 5+12V : Four Output

Part Number	Output Power		Pins	Turns	Voltage	Current (Max)	Inductance (K tolerance)
ERL28-501K-LF	60W (Max)	Pri	5~1	45	90	3.0 A	0.5 mH
		Aux	8~9	7	15	0.5 A	
		S1	14+15/12+13	2	3.3	7.0 A	
		S2	11/12+13	3	5	Sum S1+S2	
		S3	16~10	4	12	2.0 A	
		S4	17~10	7	18	2.0 A	
		S5	18~10	13	30	0.5 A	

APPLICATIONS

DC-DC Converter, AC-DC Converter

Switch Power Supply

SMPS: Flyback, Forward and Push-Pull, Half Bridge & Full Bridge