

ST SERIES

Flyback Transformers for Stand-by Switch Power Supplies

Features

- Low power and low cost flyback transformers for Stand-by SMPS
- Universal input voltage
- Output power level up to 2W (6Vdc / 0.3 Amp)
- Includes auxiliary winding to supply PWM IC
- VDE safety approval according to EN60065 and EN60950
- Primary to Secondary isolation of 3750 Vac
- Operating temperature range from -40°C to 120°C



General Application

- Industrial Low power Switch Mode Power Supplies

Electrical specifications

Reference	Input Voltage	Sec Output	Aux Output	Max Output Power	Switching Frequency	Prim Inductance	Turns ratio (P : A : S)
ST-FB3W-1	110 to 320 Vdc	6 Vdc / 0.3 Amp	12 Vdc / 0.05 Amp	2 W	100-150 kHz	1.06mH ± 10%	108 : 14 : 7
ST-FB3W-2	320 Vdc	0.3Amp	0.05 Amp	2 W	100-150 kHz	1.06mH ± 10%	108 : 26 : 7

Notes

- (1) All test data are referenced to 25°C ambient temperature
- (2) Inductance values are measured at 10kHz/0.1V
- (3) Continues operating temperature range must be within -40/+120°C (ambient + self heating)

SAFETY APPROVALS

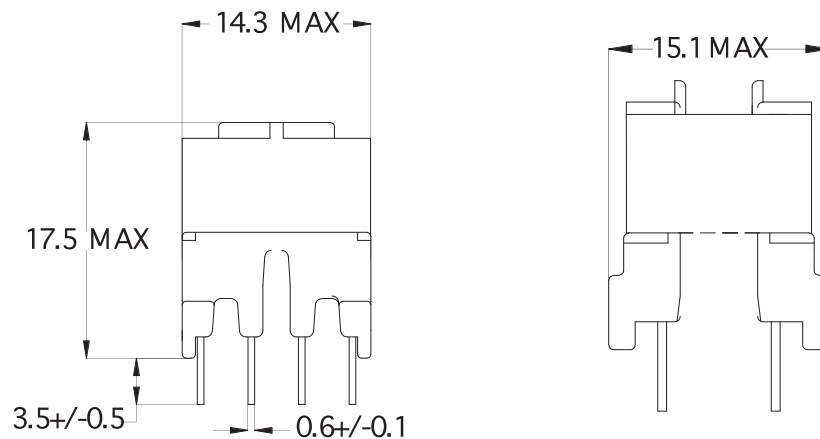


- EN 60065
- EN 60950

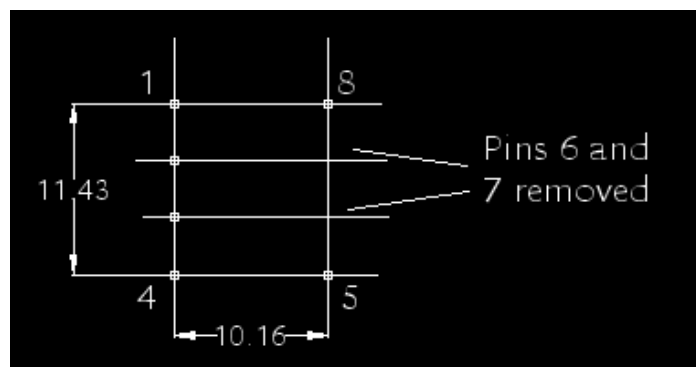
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Dimensions



Recommended PCB layout (view in mounting direction)



Electrical diagram

