

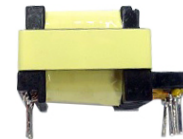
# Flyback Transformer

AFBT-06



RoHS/RoHS II compliant

23.1 x 19.0 x 14.0mm



## FEATURES:

- Open shape for self cooling
- Produced by automatic process
- Meet UL safety standards

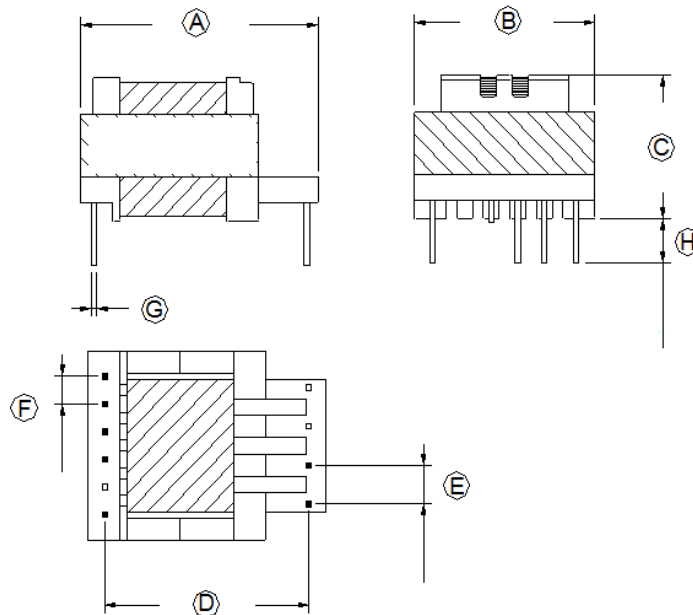
## APPLICATIONS:

- Widely used with switches controller, UPS power inverter
- Computer, LED Lighting
- 10.5W output

## ELECTRICAL SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	-40		+130	°C	
Storage Temperature	-5		+35	°C	
Inductance	1.2-5%	1.2	1.2+5%	mH	Pin 5-6, 40kHz, 1Vrms
Leakage Inductance			45	uH	Pin 5-6, 40kHz, 1Vrms Short Sec
DCR			0.9	Ω	Pin(5-6)
			15	mΩ	Pin(10-9)
			150	mΩ	Pin(1-4)
Hipot		3000		Vrms	Pri - Sec 0.5mA/2sec
		1500		Vrms	All winding to core 0.5mA/2sec
Turn Ratio (±0.5Ts)		90:6:16		Ts	Pin(5-6):(10-9):(1-4) 40KHz 1.0V Use No Gap Core

## OUTLINE DIMENSION:



A	B	C	D	E	F	G	H
23.1 Max	19.0 Max	14.0 Max	19.5±0.4	3.5±0.3	2.5±0.3	SQ0.5±0.1	4.0±0.5

Dimension: mm

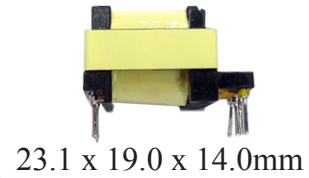


# Flyback Transformer

AFBT-06



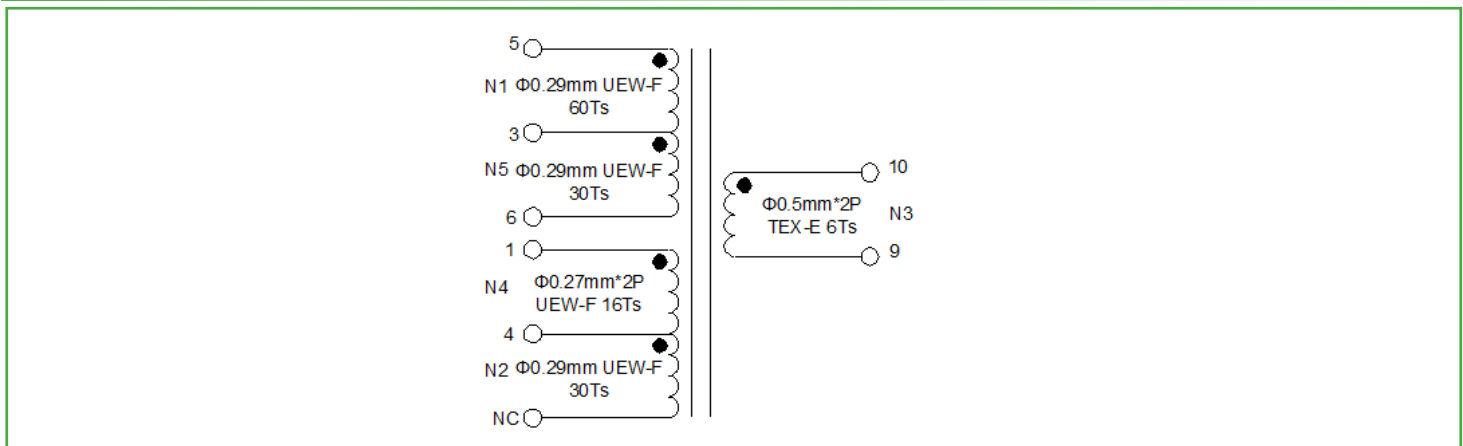
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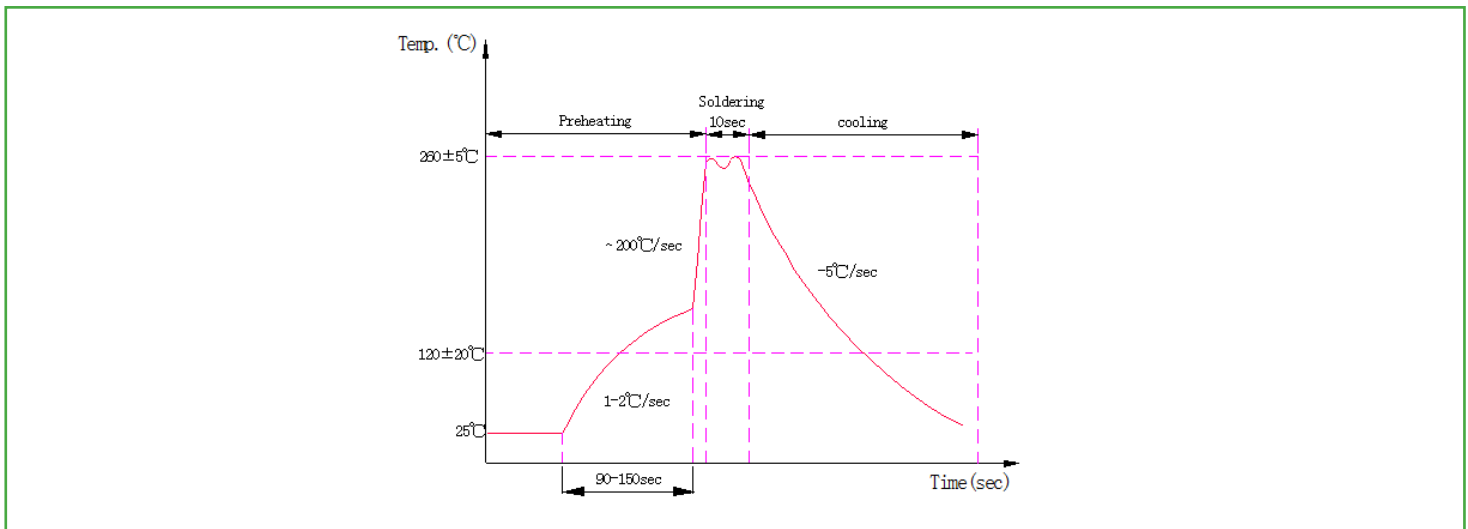
## Materials

NO.	ITEM	MATERIAL DESCRIPTION	TEMP. (FLAME) CLASS	UL FILE NO.
1	CORE	Mn-Zn FERRITE CORE ,EE17 , TP4A	—	—
OR		Mn-Zn FERRITE CORE ,EE17 , DMR44	—	—
2	BOBBIN	PHENOLIC T375HF	V-0	E59481
3	WIRE	MODIFIED POLYESTER ENAMELLED WIRE, TYPE UEW-F	155°C	E258243
4	WIRE	φ0.5mm TEX- E	130°C	E230451
5	TAPE	POLYESTER FILM TAPE ,#1350F-1	130°C	E17385
6	SOLDER	Sn96.5 /Ag 3.0/Cu0.5	—	—
7	VARNISH	V1630FS	180°C	E75225

## SCHEMATIC



## WAVE SOLDERING PROFILE



Packing (100pcs/tray)

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