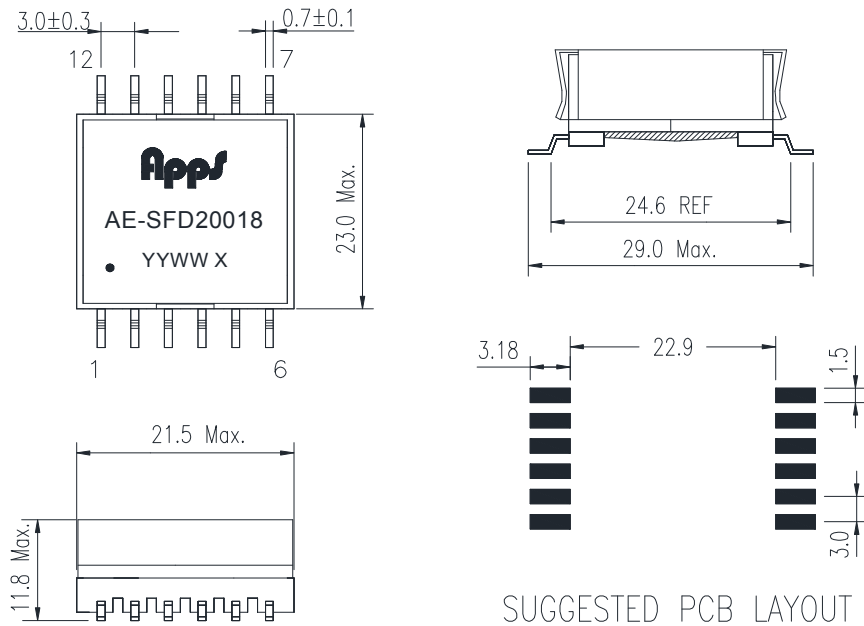


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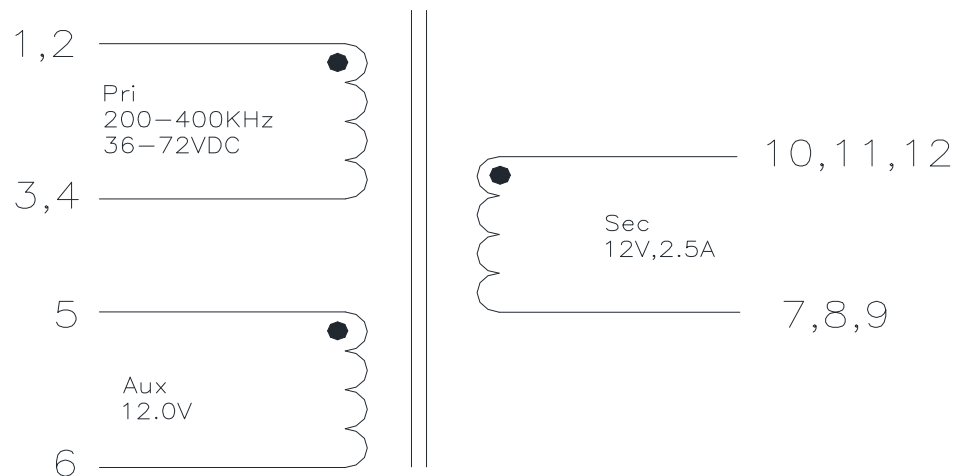
SMD POWER TRANSFORMER

Mechanical Dimensions



Unit: mm

Schematic



Part Number: AE-SFD20018

SMD POWER TRANSFORMER

Electrical Characteristics @25°C

1. DCR :
PIN 1,2-3,4= 61.0mΩ Max.
PIN 5-6= 180.0mΩ Max.
PIN 7,8,9-10,11,12= 18.0mΩ Max..
2. INDUCTANCE (@10KHz, 0.1Vrms) :
PIN 1,2-3,4 = 42.0uH ±10%.
3. TURN RATIO (@100KHz, 1.0Vrms) :
PIN 1,2-3,4 : 5-6 : 7,8,9-10,11,12
=3 : 1 : 1 ±3%.
4. LEAKAGE INDUCTANCE (@100KHz, 0.1Vrms) :
PIN 1,2-3,4= 0.55uH MAX.
(5-6&7-8-9-10-11-12 SHORT)
5. HI-POT (@1500VAC, 2mA, 3S) : PIN1,2,5 TO 7,8,9
6. RoHS COMPLIANT

Materials List

Item	Spec.	Material	Supplier	UL No.
Core	EFD20	Ferrite	FUSHAN FCRI MAGNETIC INDUSTRY	N/A
Bobbin	EFD20 SMD	PM9630	SUMITOMO BAKELITE CO LTD	E41429
Wire	MW83C	P180	ELEKTRISOLA	E348247
Tape		180	3M	E17385
Clip	EFD20		DONGGUAN QIANXIN METALS CO LTD	N/A

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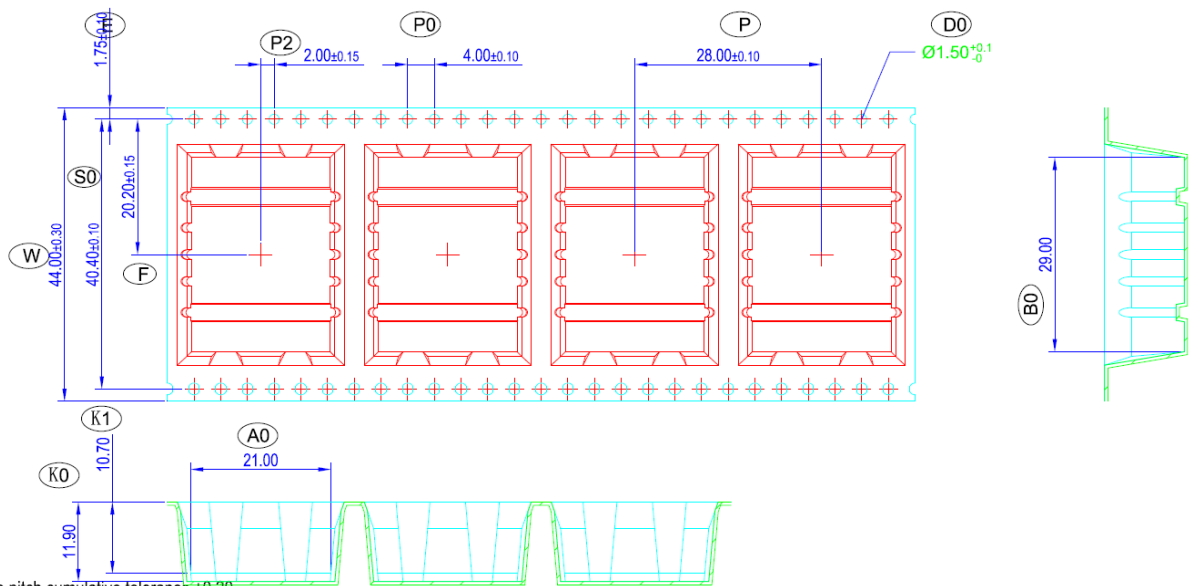
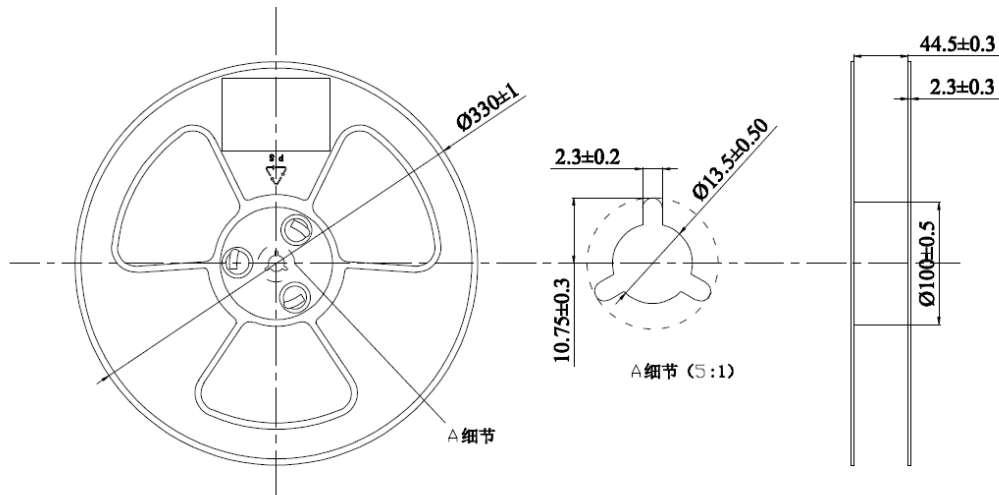
SMD POWER TRANSFORMER

Reliability and Test Condition

Test Item	Test Condition	Cycles or Hours
Vibration Test	1. Amplitude: 0.75mm(or 10G)	Duration: 2 hours each direction
	2. Frequency: 5-500Hz	
	3. Number of sweep cycles per axis 10	
	4. Direction: X. Y. Z	
Drop Test	1. Height: 1m	10 Times
	2. Concrete platform	
Thermal Shock Test	1. Low temperature: -40℃	100 Cycles
	2. High temperature: +105℃	
	3. Soak time: 30 minutes	
	4. Transition time: less than 20 minutes	
Soldering Heat Test	Dipped in 260±5 ℃ molten solder	Time: 10±1seconds
Solder-ability	Dipped in 245±5 ℃ molten solder	Time: 4±1seconds
High Temperature Test	Temperature: +85±2 ℃	Duration: 250 hours
Low Temperature Test	Temperature: -40±3 ℃	Duration: 250 hours
Damp Heat Test	1.Temperature: 85 ±2℃	Duration: 250 hours
	2. Humidity: 85 (+2 /-3) % RH	
Salt Spray Test	1.Temperature: 35 ±2℃	Duration: 12 hours
	2. The solution: 5(±0.1)%	
	3. pH value: 6.5 ~ 7.2	

Part Number: AE-SFD20018

SMD POWER TRANSFORMER



NOTE:

1. 10 sprocket hole pitch cumulative tolerance ± 0.20 .
2. Carrier camber is within 1mm Max. in 250mm.
3. All dimensions meet EIA-481-D requirements.
4. Material: Polystyrene (Detail see partnumber).
5. Thickness: see partnumber.
6. Recommend hub diameter: 100 mm.
7. Packing length per 22' reel: Meters per 13' reel: 4.82 Meters.
8. Component load per 13' reel: 150+22 pcs.
9. Component load per 15' reel: pcs.

Note:

1. Put the products in the same direction according to the pot.
2. 150PCS per reel.
3. 4 reels per carton.