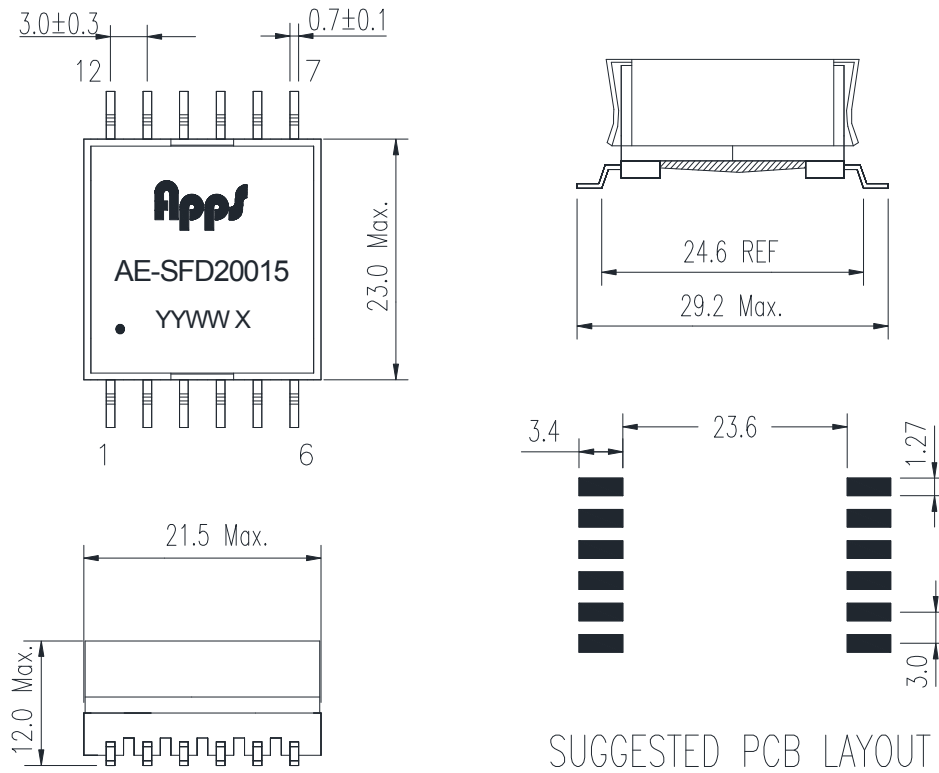


Part Number: AE-SFD20015

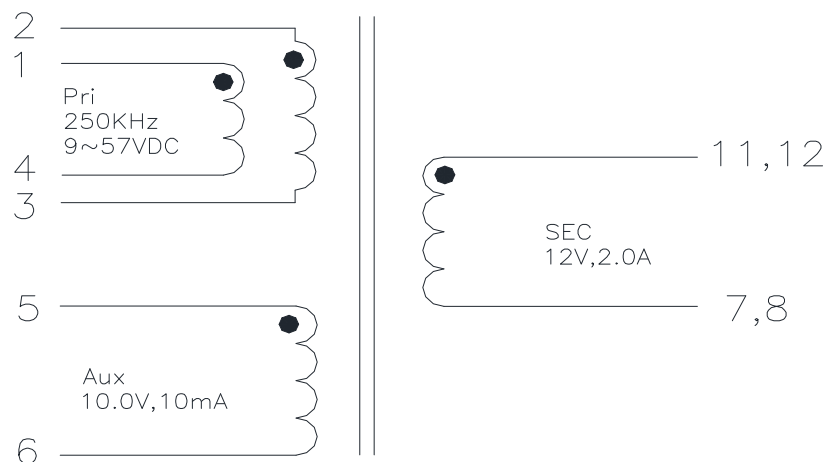
SMD POWER TRANSFORMER

Mechanical Dimensions



Unit: mm

Schematic



Customer to tie terminal PIN1+2; PIN4+3; PIN11+23 and PIN7+8 internally on pcb

Part Number: AE-SFD20015

SMD POWER TRANSFORMER

Electrical Characteristics @25°C

1. DCR :
PIN 1,2-3,4= 12.5mΩ ±20%.
PIN 5-6= 385.0mΩ ±10%.
PIN 7,8-11,12= 14.0mΩ ±20%.
2. INDUCTANCE (@10KHz, 0.1Vrms) :
PIN 1,2-3,4 = 10.0uH ±10%.
@8.5A : 20% Roll Off
3. TURN RATIO (@100KHz, 1.0Vrms) :
PIN 1,2-3,4 : 5-6 : 7,8-11,12
=1 : 1.12 : 1 ±3%.
4. LEAKAGE INDUCTANCE (@100KHz, 0.1Vrms) :
PIN 1,2-3,4= 0.28uH MAX.
(5-6&7-8-11-12 SHORT)
5. HI-POT (@1875VAC, 2mA, 3S) : PIN1,2,5 TO 7,8
6. RoHS COMPLIANT

Materials List

Item	Spec.	Material	Supplier	UL No.
Core	EFD20	Ferrite, JCP38	FUSHAN FCRI MAGNETIC INDUSTRY	N/A
Bobbin	EFD20 SMD	PM9630	SUMITOMO BAKELITE CO LTD	E41429
Wire	MW83C	P180	ELEKTRISOLA	E348247
Tape	1205	180	3M	E17385
Clip	EFD20	SUS301	DONGGUAN QIANXIN METALS CO LTD	N/A