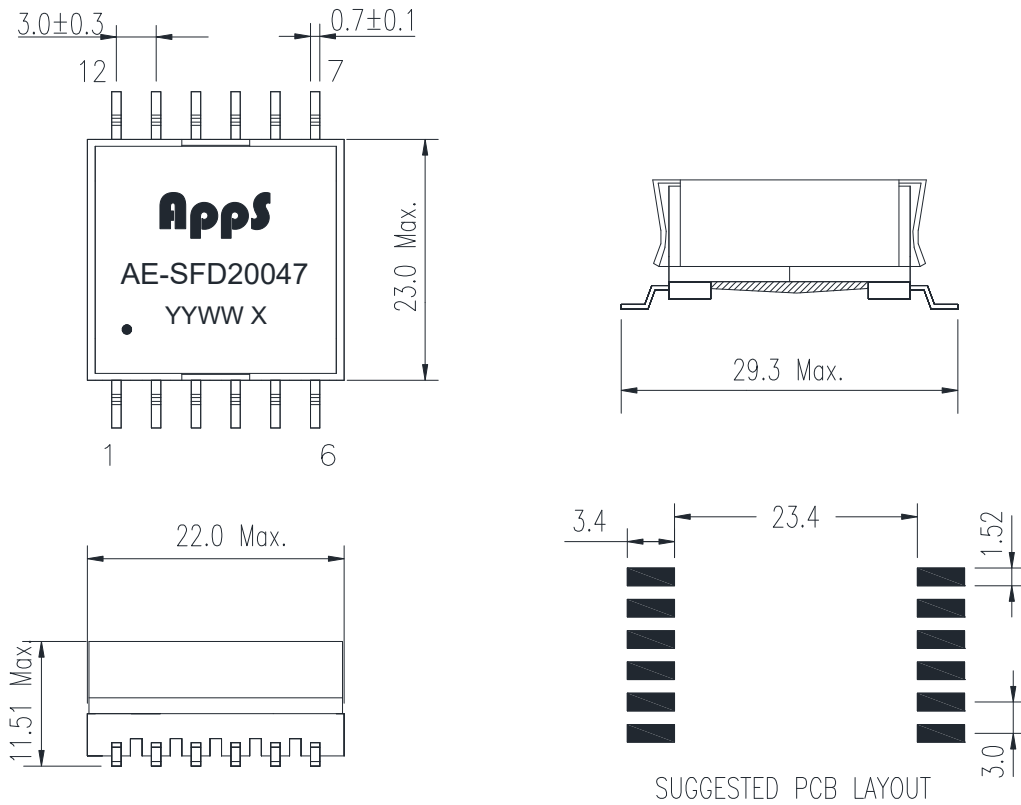


Part Number: AE-SFD20047

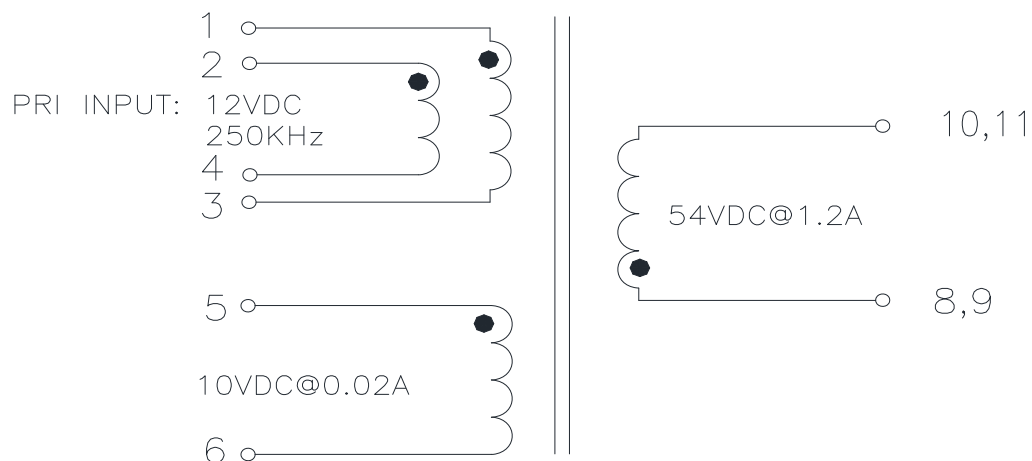
SMD POWER TRANSFORMER

Mechanical Dimensions



Unit: mm

Schematic



Part Number: AE-SFD20047

SMD POWER TRANSFORMER

Electrical Characteristics @25°C

- DCR :
PIN 1,2-3,4 = 4.0mΩ MAX.
PIN 5-6 = 65.0mΩ MAX.
PIN 8,9-10,11 = 75.0mΩ MAX.
- INDUCTANCE (@100KHz, 0.1Vrms) :
PIN 1,2-3,4 = 2.6uH ±10%.
(@100KHz, 0.1Vrms, 16.9ADC) :
PIN 1,2-3,4 > 2.10uH
- TURN RATIO (@100KHz, 0.1Vrms) :
PIN 1,2-3,4 : 5-6 : 8,9-10,11
= 1 : 0.8 : 4 ±5%.
- LEAKAGE INDUCTANCE (@300KHz, 0.1Vrms) :
PIN 1,2-3,4 = 0.10uH MAX.
(5-6-8-9-10-11 SHORT)
- HI-POT (@1500VAC, 5mA, 3S) : PIN1,2,5 TO 8,9
(@500VAC, 5mA, 3S) : PIN1,2 TO 5
- OPERATING TEMPERATURE RANGE: -40°C~+125°C
- RoHS COMPLIANT

Materials List

ITEM	PART NUMBER	KIND OF MATERIAL	VENDOR	TRADE MARK/TYPE	UL RATING	UL FILE NUMBER
1	CORE	HY95	HUAYUE	EFD20	N/A	N/A
2	BOBBIN	PHENOLIC	SUMITOMO BAKELITE CO LTD	PM9630	94V-0	E41429
3	MAGNET WIRE	POLYURETHANE ENAMELLED COPPER WIRE	Electrisola enamelled copper wire OR EQUIVALENT	P180	180°C OR BETTER	E258243
4	TAPE	POLYESTER FILM	JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	J16	180°C	E246950
5	ADHESIVE	EPOXY	EPOXYSET INC	G500	N/A	N/A
6	COPPER	CU	N/A	N/A	N/A	N/A