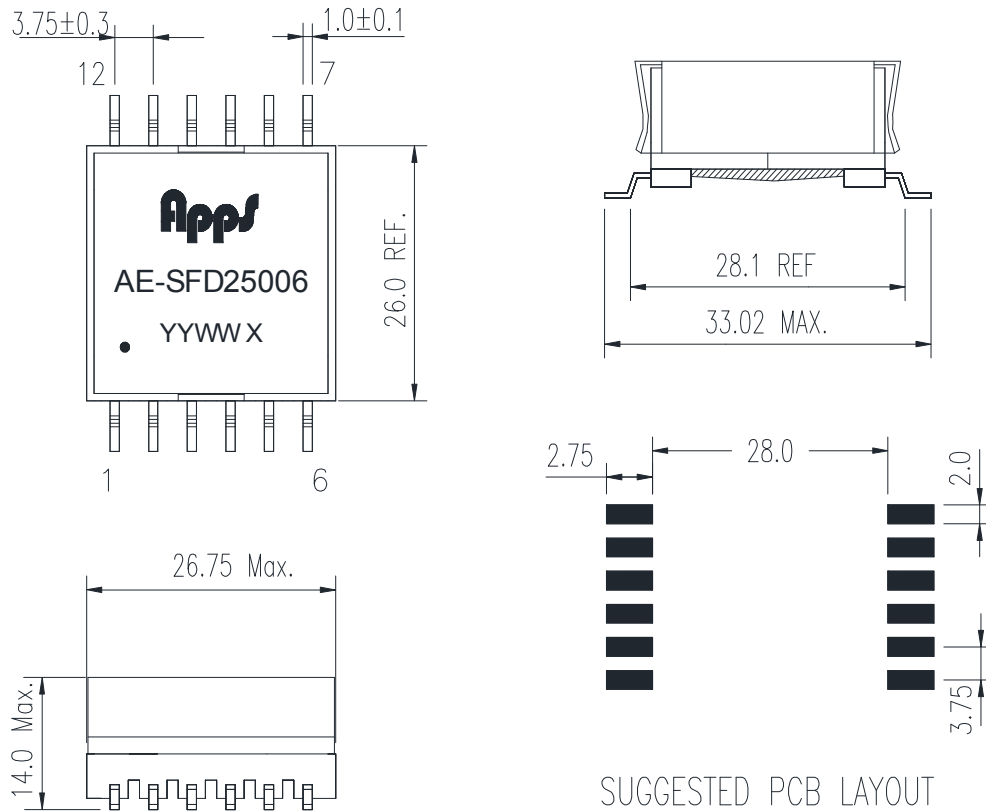


Part Number: AE-SFD25006

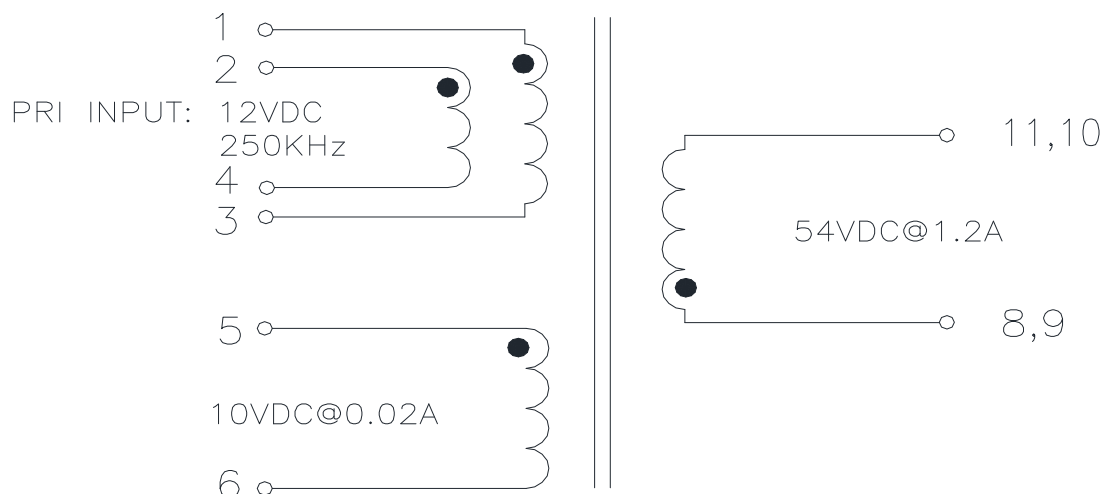
SMD POWER TRANSFORMER

### Mechanical Dimensions



Unit: mm

### Schematic



Part Number: AE-SFD25006

## SMD POWER TRANSFORMER

### Electrical Characteristics @25°C

1. DCR :  
PIN 1,2-3,4 = 0.5mΩ MAX.  
PIN 5-6 = 160.0mΩ MAX.  
PIN 8,9-10,11 = 160.0mΩ MAX.
2. INDUCTANCE (@100KHz, 0.1Vrms) :  
PIN 1,2-3,4 = 1.55uH ±10%.  
(@100KHz, 0.1Vrms, 23.7ADC) :  
PIN 1,2-3,4 > 1.25uH
3. TURN RATIO (@100KHz, 0.1Vrms) :  
PIN 1,2-3,4 : 5-6 : 8,9-10,11  
= 1 : 1.5 : 8.25 ±2%.
4. LEAKAGE INDUCTANCE (@300KHz, 0.1Vrms) :  
PIN 1,2-3,4 = 0.05uH MAX.  
(5-6-7-8-9-10-11-12 SHORT)
5. HI-POT (@1500VAC, 5mA, 3S) : PIN1,2,5 TO 8,9  
(@500VAC, 5mA, 3S) : PIN1,2 TO 5
6. OPERATING TEMPERATURE RANGE: -40°C~+125°C

### Materials List

| ITEM | PART NUMBER | KIND OF MATERIAL                   | VENDOR                                          | TRADE MARK/TYPE | UL RATING       | UL FILE NUMBER |
|------|-------------|------------------------------------|-------------------------------------------------|-----------------|-----------------|----------------|
| 1    | CORE        | HY95                               | HUAYUE                                          | EFD25           | 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            |

Part Number: AE-SFD25005

SMD POWER TRANSFORMER

## Packing

