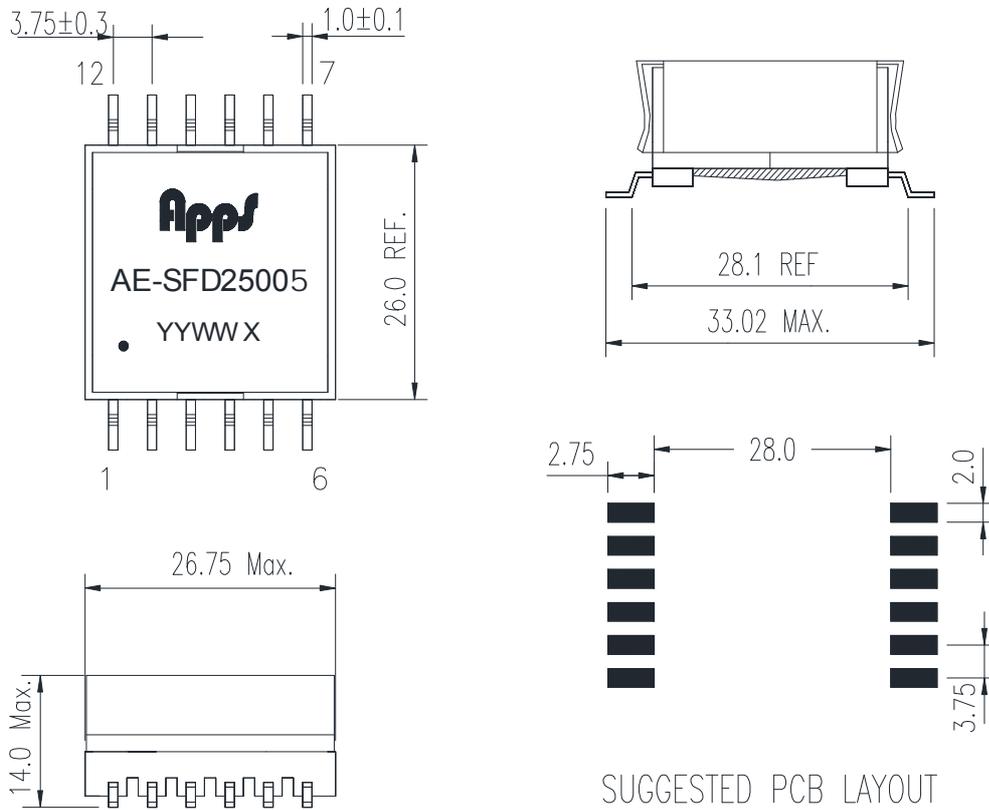


Part Number: AE-SFD25005

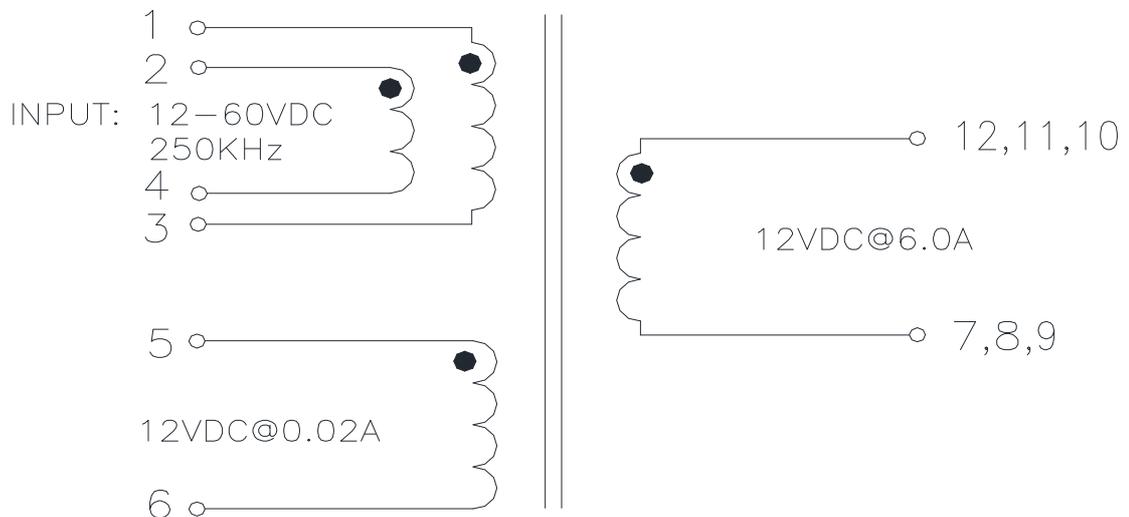
SMD POWER TRANSFORMER

### Mechanical Dimensions



Unit: mm

### Schematic



Part Number: AE-SFD25005

SMD POWER TRANSFORMER

**Electrical Characteristics @25°C**

1. DCR :           PIN 1,2-3,4 = 0.5mΩ MAX.  
                      PIN 5-6 = 160.0mΩ MAX.  
                      PIN 7,8,9-10,11,12 = 8.5mΩ MAX.
  
2. INDUCTANCE (@100KHz, 0.1Vrms) :  
                      PIN 1,2-3,4 = 4.2uH ±10%.  
                      (@100KHz, 0.1Vrms, 20.8ADC) :  
                      PIN 1,2-3,4 > 3.36uH
  
3. TURN RATIO (@100KHz, 0.1Vrms) :  
                      PIN 1,2-3,4 : 5-6 : 7,8,9-10,11,12  
                      = 1 : 0.625 : 0.625 ±2%.
  
4. LEAKAGE INDUCTANCE (@300KHz, 0.1Vrms) :  
                      PIN 1,2-3,4 = 0.08uH MAX.  
                      (5-6-7-8-9-10-11-12 SHORT)
  
5. HI-POT (@1500VAC, 5mA, 3S) : PIN1,2,5 TO 7,8,9  
                      (@500VAC, 5mA, 3S) : PIN1,2 TO 5
  
6. OPERATING TEMPERATURE RANGE: -40°C~+125°C
  
7. RoHS COMPLIANT

**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

