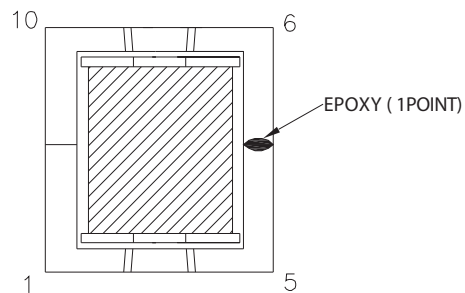
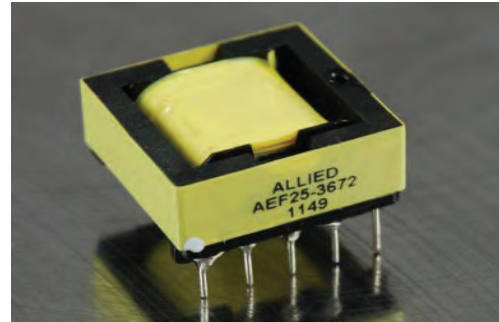




## EFD25 Transformer

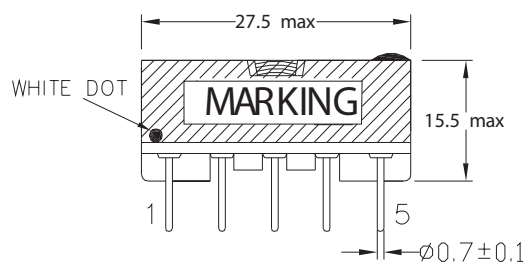
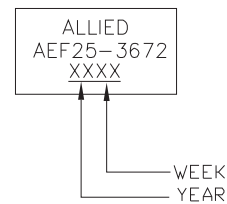
AEF25-3672

DIMENSION: (UNIT: mm)

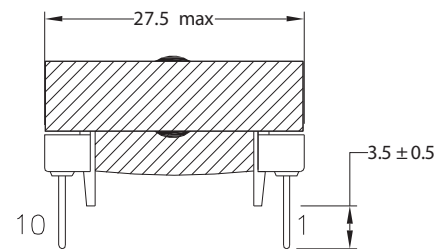


TOP VIEW

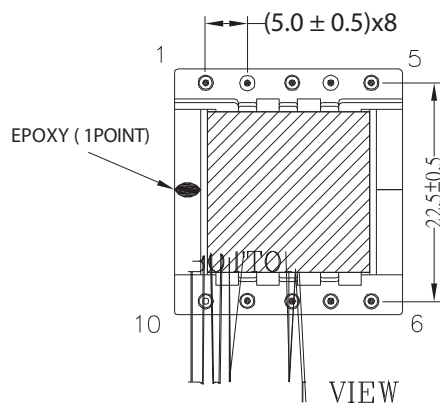
MARKING:



FRONT VIEW



SIDE VIEW

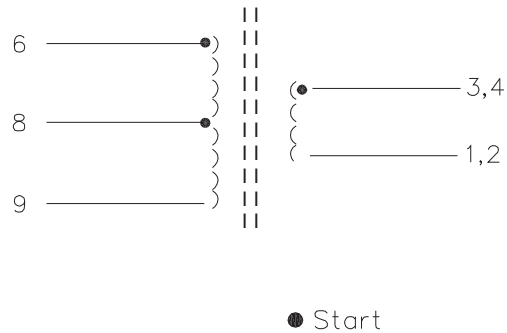


VIEW

NOTE: PIN10 NO.



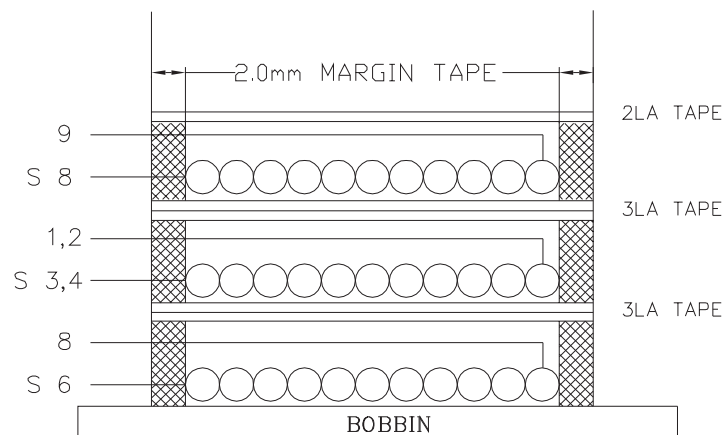
## SCHEMATIC



## WINDNG SUMMARY:

| WINDING ORDER | TERMINAL (S – F) | WIRE SIZE | TURN | MARGIN TAPE | INSULATION TAPE | REMARK  |
|---------------|------------------|-----------|------|-------------|-----------------|---------|
| #1            | N1               | 6–8       | 14Ts | 2.0mm/2.0mm | 3 LAYERS        | 2 Wires |
| #2            | N2               | 3,4–1,2   | 7Ts  | 2.0mm/2.0mm | 3 LAYERS        | 2 Wires |
| #3            | N3               | 8–9       | 14Ts | 2.0mm/2.0mm | 2 LAYERS        | 2 Wires |

## CONSTRUCTION





## SPECIFICATION

## 1.PRIMARY ELECTRONIC SPEC:

| S - F | INDUCTANCE<br>F=1 KHZ, 1.0VRMS,<br>25°C | LEAKAGE INDUCTANCE<br>F=1 KHZ, 1VRMS,25°C<br>(SHORT OTHER PINS) | DCR<br>25°C<br>(MAX) | TURN<br>RATIO |
|-------|-----------------------------------------|-----------------------------------------------------------------|----------------------|---------------|
| 6 - 9 | 64uH±10%                                | 20uH max                                                        | 180 mOhm             | 28 Ts         |
| -     | -                                       | -                                                               | -                    | -             |

## 2.SECONDARY ELECTRONIC SPEC:

| S - F     | INDUCTANCE<br>F=1KHZ,1.0VRMS<br>25°C | LEAKAGE INDUCTANCE<br>F=1KHZ,1.0VRMS<br>(SHORT PIN) | DCR<br>25°C<br>(MAX) | TURN<br>RATIO |
|-----------|--------------------------------------|-----------------------------------------------------|----------------------|---------------|
| 3,4 - 1,2 | -                                    | -                                                   | 16 mOhm              | 7Ts           |

## 3.HI-POT/INSULATION RESISTANCE:

| LOCAT.<br>\<br>DESC.     | PRI-PRI | PRI-SEC                            | SEC-SEC | PRI-CORE                           | SEC-CORE                           |
|--------------------------|---------|------------------------------------|---------|------------------------------------|------------------------------------|
| HI-POT<br>(50Hz/60Hz)    | -       | 1000V <sub>ac</sub><br>5mA, 2SEC   | -       | 500V <sub>ac</sub><br>5mA, 2SEC    | 500V <sub>ac</sub><br>5mA, 2SEC    |
| INSULATION<br>RESISTANCE | -       | 500V <sub>dc</sub><br>100 MOhm min | -       | 500V <sub>dc</sub><br>100 MOhm min | 500V <sub>dc</sub><br>100 MOhm min |



## MATERIAL LIST

| ITEM | NAME                   | DESCRIPTION                                             | UL NO.                      | VENDOR                                                                                                                                    |
|------|------------------------|---------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 1.   | CORE                   | FERRITE CORE: EFD25<br>3C95,P47,DMR95,TPW33             | —                           | FERROXCUBE,ACME,DMEGC,TDG.                                                                                                                |
| 2.   | BOBBIN                 | PHENOLIC 94V-0<br>PM-9820/PM-9630                       | E41429                      | Sumitomo Bakelite co.,Ltd.                                                                                                                |
| 3.   | WIRE                   | TYPU-130(UEW-B)<br>TYTUN-B130(UEWNY-B)<br>UEW-4#/UEY-2# | E197768<br>E174837          | Heng ya electric(dongguan) Ltd.<br>Jung shing wire co., Ltd.                                                                              |
| 4.   | MYLAR TAPE<br>(YELLOW) | CT(c)<br>NO.35660Y*(%)                                  | E165111<br>E50292           | Jingjiang yahua pressure sensitive<br>glue co., Ltd.<br>Symbio inc.                                                                       |
| 5.   | MARGIN TAPE            | WF(c)<br>35661\$                                        | E165111<br>E50292           | Jingjiang yahua pressure sensitive<br>glue co., Ltd.<br>Symbio inc.                                                                       |
| 6.   | VARNISH                | WP-2952F-2G<br>ES925-43D#<br>DVB-2085(*)                | E72979<br>E258329<br>E93947 | Hitachi chemica co ltd.<br>Chemtech Co.,Ltd.<br>Noroo paint & coatings co.,Ltd.                                                           |
| 7.   | EPOXY                  | H907<br>K1408<br>K2408                                  | E304477<br>E101381<br>—     | Dong Guan shi pai hua chuang<br>material fty.<br>Flying Dragons Material industrial co.,Ltd<br>Flying Dragons Material industrial co.,Ltd |
| 8.   | TERMINALS              | Tin plated-<br>copper wire                              | —                           | Well Fore Special wire corp.                                                                                                              |
| 9.   | SOLDER                 | Pb<1000ppm                                              | —                           | —                                                                                                                                         |