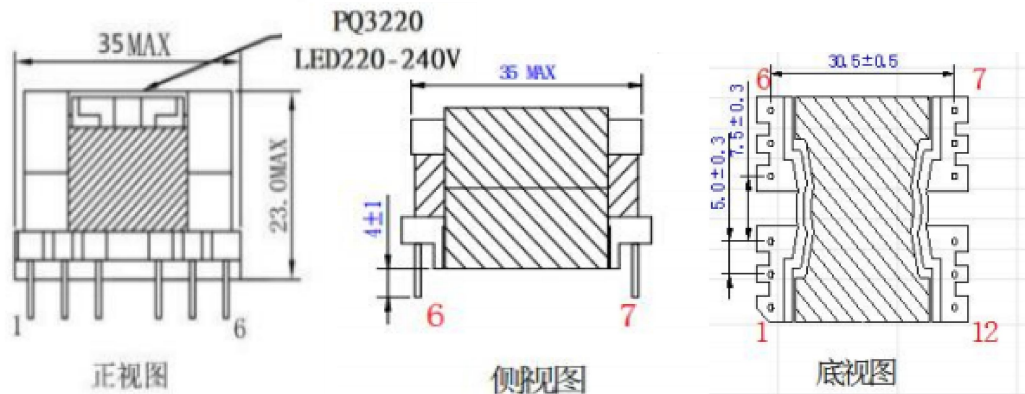
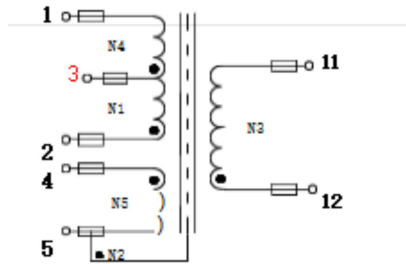


# PQ3220 Specification document

## 1. OUTLINE DIMENSION: (UNIT:mm)



## 2. SCHEMATIC:



## 3. CONSTRUCTION DIAGRAM:

|    |  |
|----|--|
| N5 |  |
| N4 |  |
| N3 |  |
| N2 |  |
| N1 |  |

## 4. WINDING CONSTRUCTION:

| Process | Barricade tape |     | Phase  | Wire diameter/number of strands | Number of turns | Tape 16.5mm | Insulating sleeve |        | Remark            |
|---------|----------------|-----|--------|---------------------------------|-----------------|-------------|-------------------|--------|-------------------|
|         | PIN            | TOP |        |                                 |                 |             | Starting          | ending |                   |
| N1      | \              | \   | 2--3   | 2UEWΦ<br>0.45mm×1               | 18TS            | 3TS         | TFL               | TFL    | Closely wound in  |
| N2      | \              | \   | 5--NC  | 2UEWΦ<br>0.20mm×1               | 30TS            | 3TS         | TFL               | \      | Closely wound in  |
| N3      | \              | \   | 12--11 | TEX-EΦ<br>0.80mm×1              | 14TS            | 3TS         | TFL               | TFL    | 2 layers of dense |
| N4      | \              | \   | 3--1   | 2UEWΦ<br>0.45mm×1               | 17TS            | 2TS         | TFL               | TFL    | Closely wound in  |
| N5      | \              | \   | 4--5   | 2UEWΦ<br>0.20mm×1               | 5TS             | 3TS         | TFL               | TFL    | All wrapped       |

| 5. ELECTRICAL CHARACTERISTICS: (Temperature: 25°C ± 5°C ; Humidity: 65 ± 25% )<br>1). Inductance:: L (1-2) : 300uH±10% (1KHz, 0.30V)<br>Leakge Inductance: Lk (1-2) : 10uH MAX (10KHz, 0.30V)<br>2). Hi-Pot Test:AC50/60Hz (CS2670AX)<br>PRI TO SEC. 3750VAC/1mA/3S<br>SEC TO CORE. 2000VAC/1mA/3S |                  |                              |               |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------|---------------|-----------------------------|
| 6. Material List                                                                                                                                                                                                                                                                                   |                  |                              |               |                             |
| Number                                                                                                                                                                                                                                                                                             | Name             | Specification and Material   | Certification | Temperature characteristics |
| 1                                                                                                                                                                                                                                                                                                  | Skeleton         | PQ3220 (6+6)P<br>T375J 94V-0 | E59481 (S)    | 150°C                       |
| 2                                                                                                                                                                                                                                                                                                  | Magnetic core    | PQ3221 PC44                  | N/A           |                             |
| 3                                                                                                                                                                                                                                                                                                  | Copper wire      | 2UEW                         | E239508       | 155°C                       |
| 4                                                                                                                                                                                                                                                                                                  | Insulating paint | T1148-1                      | E235951       | 130°C                       |
| 5                                                                                                                                                                                                                                                                                                  | Tape             | Polyester film               | E165111 (S)   | 130°C                       |
| 6                                                                                                                                                                                                                                                                                                  | Tin bar          | Tin/Copper                   | N/A           |                             |
| 7                                                                                                                                                                                                                                                                                                  | Insulated wire   |                              |               |                             |

7. Skeleton dimension drawing:

