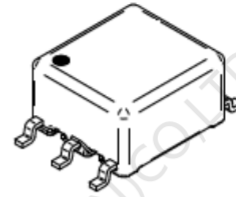


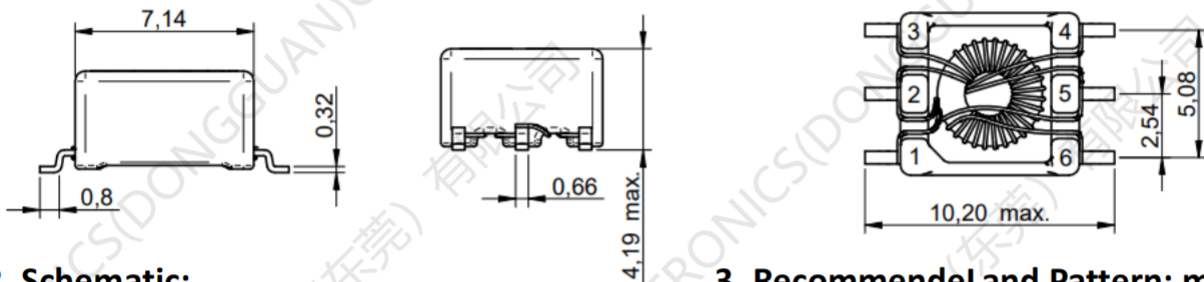
## SMD Push-Pull Transformer FC-STR7040-5V-5V-3.8W

### Features:

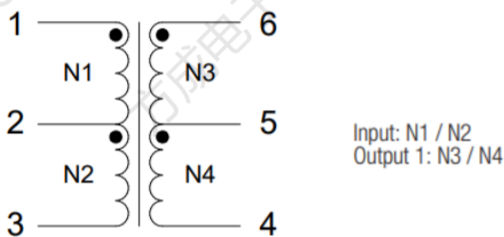
1. Primary rated voltage :5.0V. Secondary rated voltage:5.0V
2. Rated Current:750mA;
3. Rated power:3.8W;
4. Insulation Test Voltage:2500V/AC
5. Operating temperature: -40 °C to +125 °C



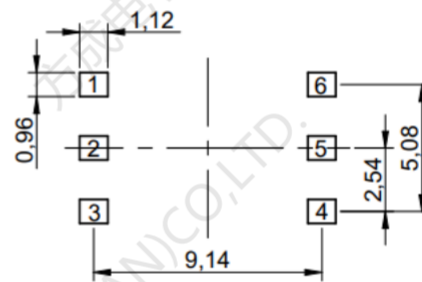
### 1. Dimensions:mm



### 2. Schematic:



### 3. Recommended Land Pattern: mm



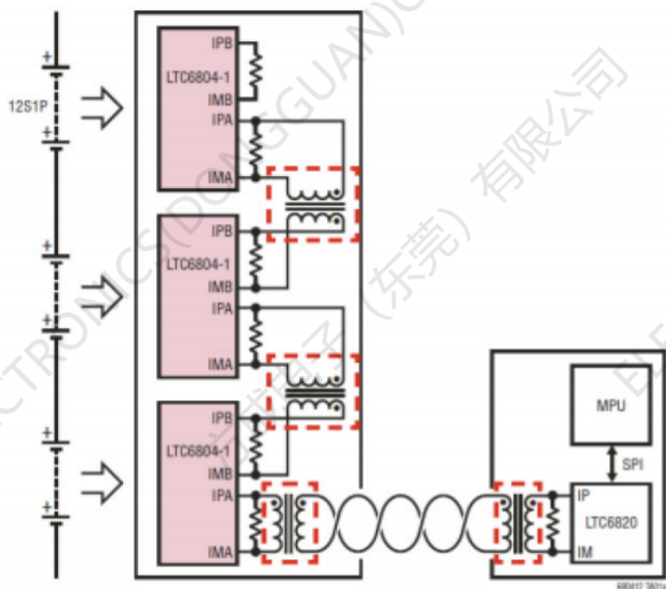
### 4. Electrical Properties

| NO. | 名称                      | 测量端            | 测量值         | 测试条件              | 标准测试仪器  |
|-----|-------------------------|----------------|-------------|-------------------|---------|
| 1   | Inductors               | L (1--3)       | 475μH /min  | 10KHz, 0.1V, 25°C | HP4284A |
| 2   | turns Ratio             | N1+N2 : N3+N4  | 1:1.1       | 10KHz, 0.1V, 25°C | TH3250  |
| 3   | IR                      | NP~NS          | 100Mohm MIN | DC500V            | MF2511  |
| 4   | Insulation Test Voltage | N1, 2 => N3, 4 | 2500V/AC    | 5mA 10S           | CJ2670  |
| 5   | Input Voltage           | Vin            | 5.0V        | V (DC)            | /       |
| 6   | Output Voltage 1        | VOut1          | 5.0V        | V (DC)            | /       |
| 7   | Output Current          | NP/NS          | 750mA       | A (DC)            | /       |
| 8   | Switching Frequency     | fswitch        | 300 - 620   | KHZ               | /       |

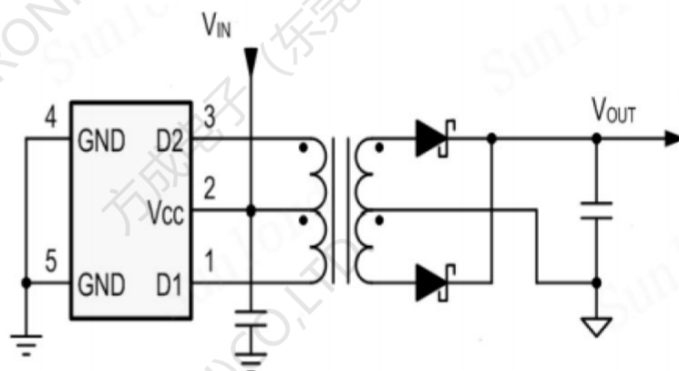
Ambient temperature -40°C to +85°C; Operating Temperature: -40°C to +125°

### 5. APPLICATIONS:应用

1. 汽车电池管理系统菊链式通信电路 Daisy-Chain Communication Circuit of BMS .
2. 小功率电源，模块通讯电源. Small power supply .
3. 电池管理系统，远程通信模块. BMS, Telecommunication Module and Ethernet communication Circuit.



示意图：电池管理系统菊链式通信电路  
Diagrammatic Drawing:  
Daisy-Chain Communication Circuit of BMS



应用示意图：电源用  
Diagrammatic Drawing:For Power Supply