Feature
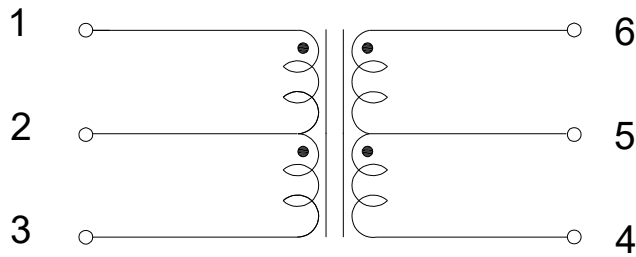
- Current Rating:1A
- Voltage-Time:23uS
- Switching Frequency：150KHZ min
- 11 mm min creepage and clearance distance between PRI&SEC
- Coplanarity:0.1[.004]Max
- Designed to comply with the following requirements as defined by IEC60601-1(ed)：
  Amendment 1：Providing two means of patient Protection up to a working voltage of 360Vac
- Complies with the following requirements as defined by
  IEC60950-1,EN60950-1,UL60950-1/CSA60950-1 and AS/NZS60950-1
  -Reinforced insulation for a primary circuit at a working voltage of 550Vac
  Overvoltage category II,Pollution Degree 2，up to 2km above sea level
- Designed to comply with the following requirements as defined by IEC60664-1:
  -Reinforced insulation for a primary circuit at a working voltage of 400Vac
  up to 2km above sea level.
- Designed to comply with the following requirements as defined by IEC61010-1:
  -Reinforced insulation for a line to neutral voltage up to 1000vrms，overvoltage Category II,up to 2km above sea level
  - Reinforced insulation for a line to neutral voltage up to 600vrms，overvoltage Category II,up to 5km above sea level
- Complies with the following requirements as defined by IEC62368-1,UL/CSA62368-1 and EN62368-1
  - Reinforced insulation for ES3,operating frequency above 30KHZ,working voltage up to 550Vrms，1600Vpeak，overvoltage category II,Pollution Degree II,and up to 2km above sea level
- Comply with RoHS requirements.
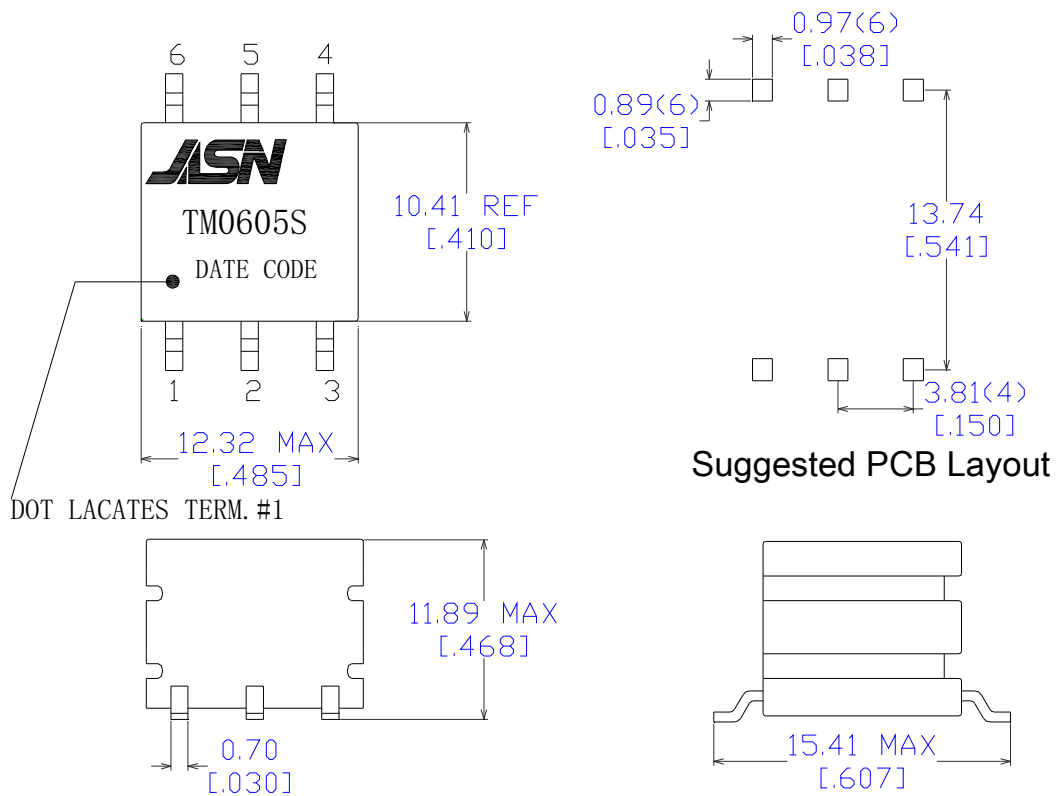- Operating temperature range:-40℃ to +125℃.
- Qualified to AEC-Q200

Electrical Specifications @ 25℃

PAPAMETER		TEST CONDITIONS	VALUE
D.C.RESISTANCE	1-3	@20℃	0.15ohms max
D.C.RESISTANCE	6-4	@20℃	0.15ohms max
INDUCTANCE	1-2	100KHZ 10 mVac. LS	110 uH min
INDUCTANCE	2-3	100KHZ 10 mVac. LS	110 uH min
CAPACITANCE	1-6	100KHZ 10 mVac. CS	18pF max
DIELECTRIC	1-6	6250Vrms 2 seconds	5000Vrms，1 minute
TURNS RATIO		6-4:1-3	1:1±2%

Schematic

1
2
3
6
5
4

Mechanical

6 5 4

TM0605S

DATE CODE

10.41 REF
[.410]

1 2 3

12.32 MAX
[.485]

DOT LACATES TERM.#1

0.97(6)
[.038]

0.89(6)
[.035]

13.74
[.541]

3.81(4)
[.150]

Suggested PCB Layout

11.89 MAX
[.468]

0.70
[.030]

15.41 MAX
[.607]

Unit：mm（inch）

Unless otherwise specified, all tolerances are ±0.25