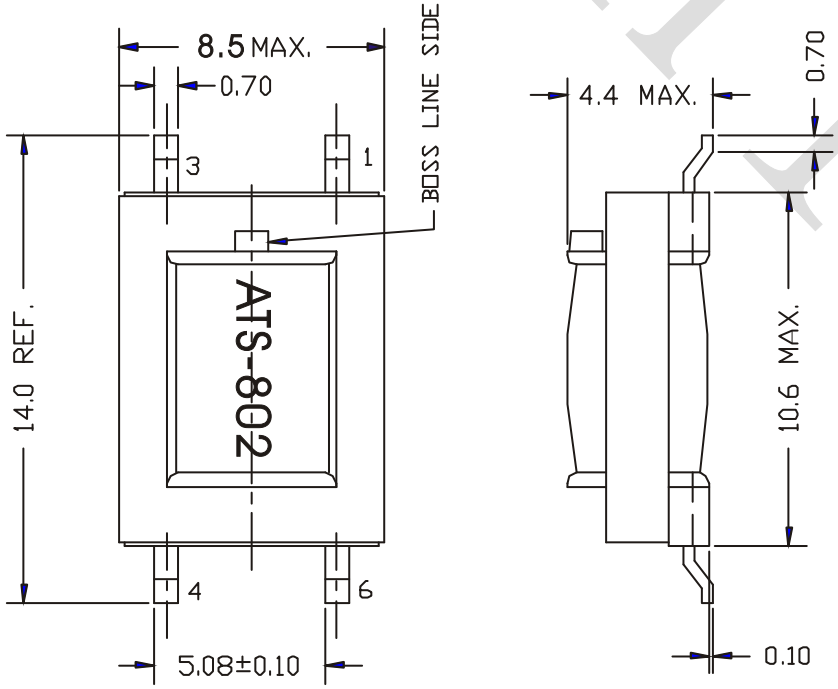
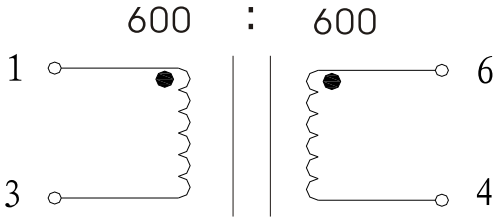
1. Mechanical Dimensions : (mm)



2. Coil structure and schematic



3. Electrical Specifications:

DCR:	PIN 1-3=48Ω ±10%
	PIN 4-6=42Ω ±10%
Inductance :	(@250Hz, 0.5Vms, parallel) 1-3=1.5H Min
IMPEDANCE:	(@1KHz,0dBm,4-6 W/H 600Ω Load)
	1-3=600Ω ±10%
INSERTION:	LOSS=1.0dB Max
	(at 1KHz,0dBm,W/H 600Ω Load)
FREQ RESP:	(@ 300Hz To 4KHz,REF, 1KHz)=±0.35dB
RETURN LOSS:	@300Hz=20dB Min @1KHz=23dB Min
	@4KHz=23dB Min

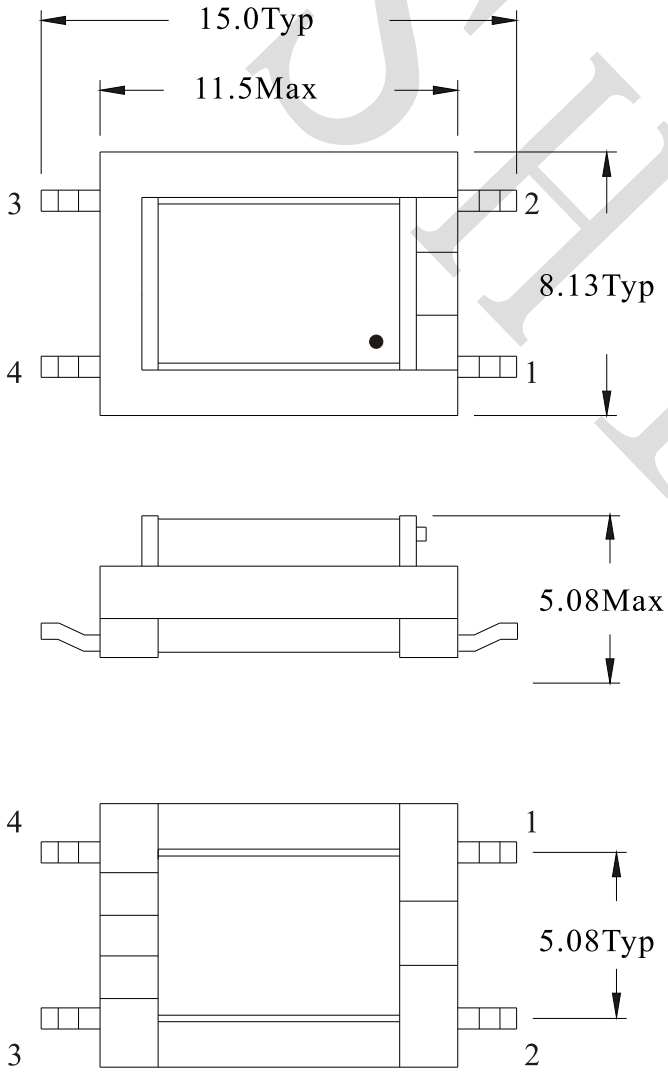
TURN RATIO=1:1±1%
POLARITY=PIN1-6INPHASE
LONGITUDINAL BAL=70dB Min(@200Hz To 4KHz)
HI-POT=1250VAC,1mA,2SEC(PRI-SEC)

SHINHOM Inc	Model: Inductance	
Unless Otherwise Specified TOLERANCES: .XXX ± Dimensions in mm	P/N : ATS-802	Date
	DWN .	2009-10-20
	CHK .	
NO.100,YanTa Northern road,xi'anCity Shaanxi pro.china TEL:+86-29-87851916 FAX:+86-29-87851840	APP .	

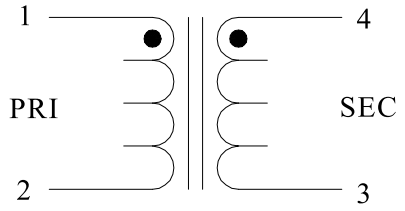
PROPRIETARY
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1.PHYSICAL CHARACTERISTICS(mm)



2.ELECTRONICAL SCHEMATIC



RoHS COMPLIANT

3.ELECTRONICAL SPECIFICATIONS

Isolation voltage: 1000Vrms(Winding to Winding)

Turns ratio: Pin1-2 : Pin4-3=1:1

Pin1-2 inductance: 1.1H Min@1KHz,1V

Pin1-2 DCR: 200Ω Max

Pin4-3 DCR: 180Ω Max

Insertion loss: 3.0dB Max@1KHz,1V@Load 600Ω

Note:

1.Solderability:leads shall meet MIL-STD-202, Method 208D for solderability.

2.Flammability: UL94V-0

3.ASTM oxygen index: >28%

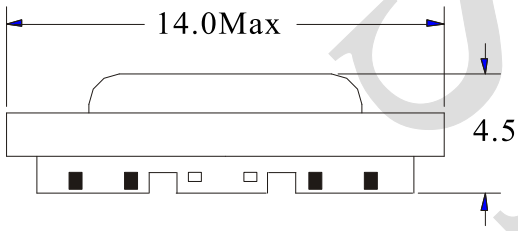
4.Test Instrument: WK 3260B+3261A

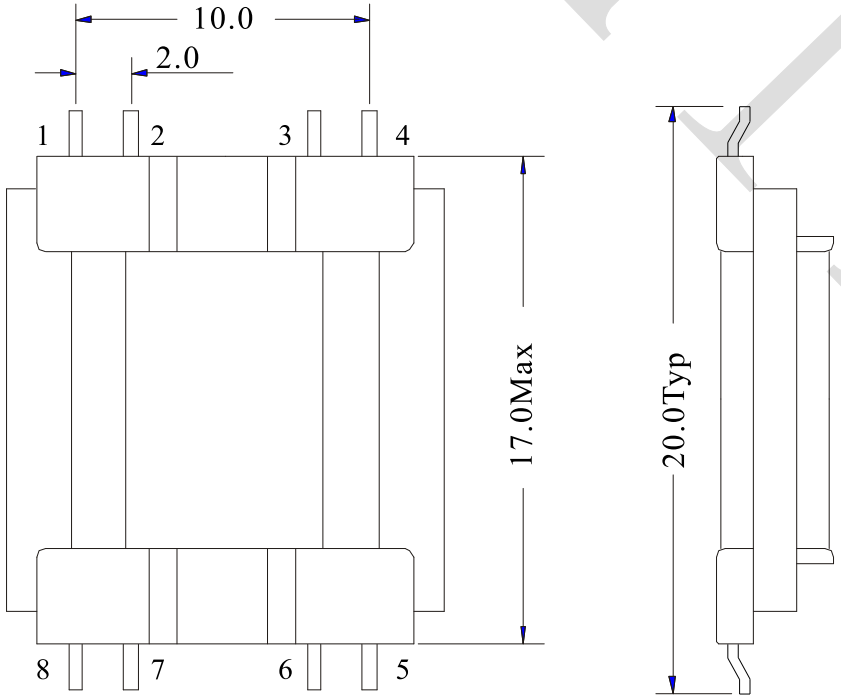
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CUSTOMER P/N:		DATE:	2012-08-29
SHINHOM P/N:	ATS-806	REV: A0	PAGE
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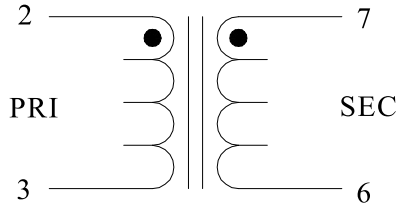
SHINHOM

1.PHYSICAL CHARACTERISTICS(mm)





2.ELECTRONICAL SCHEMATIC



RoHS COMPLIANT

3.ELECTRONICAL SPECIFICATIONS

Isolation voltage: 1000Vrms(Winding to Winding)

Turns ratio: Pin2-3 : Pin7-6=1:1

Pin1-2 inductance: 4.3H Min@1KHz,1V

Pin2-3 DCR: 200Ω Max

Pin7-6 DCR: 230Ω Max

Insertion loss: 3.0dB Max@1KHz,1V@Load 600Ω

Note:

1.Solderability:leads shall meet MIL-STD-202, Method 208D for solderability.

2.Flammability: UL94V-0

3.ASTM oxygen index: >28%

4.Test Instrument: WK 3260B+3261A

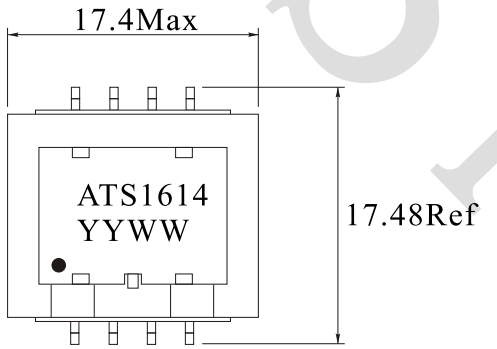
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SHINHOM P/N:	ATS1202	REV: A0	PAGE
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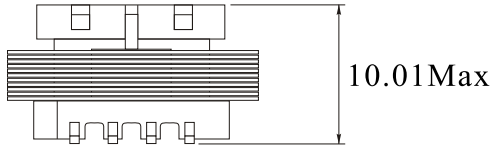
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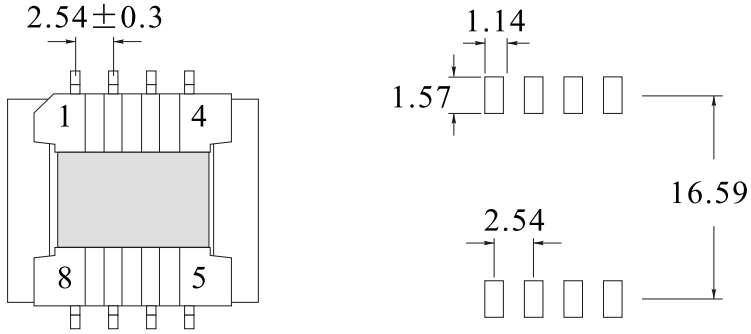
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Rev.	Description	Date
A0	New release	2020.09.17

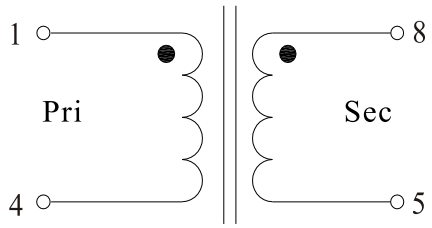
1.PHYSICAL CHARACTERISTICS(mm)







2.ELECTRONICAL SCHEMATIC



3.ELECTRONICAL SPECIFICATIONS

Impedance: Designed to reflect 600Ω on Pri with 392Ω load on Sec
Longitudinal balance:
60dB min@200-1000Hz,40dB min@1000-4000Hz,per FCC part 68.
58dB min@200-1000Hz,53dB min@1000-3000Hz,per IEEE-455 1985.
DCR: Pri: 100Ω ±10%, Sec: 122Ω ±10%
Frequency response: ±0.2dB@300-3500Hz
Insertion loss: 2.0dB±0.5dB@1KHz,0dB
Dielectric rating: 1500Vac,1min tested by applying
1250Vac,1sec between Pri to Sec
Return loss: 25dB min@300-3500Hz
Turns ratio: Pri:Sec=1:1±2%
Total harmonic distortion:
Line to Receive: -82dB max,600Hz,-10dBm input
Transmit to Line: -67.5dB typ.150Hz,-3dBm output

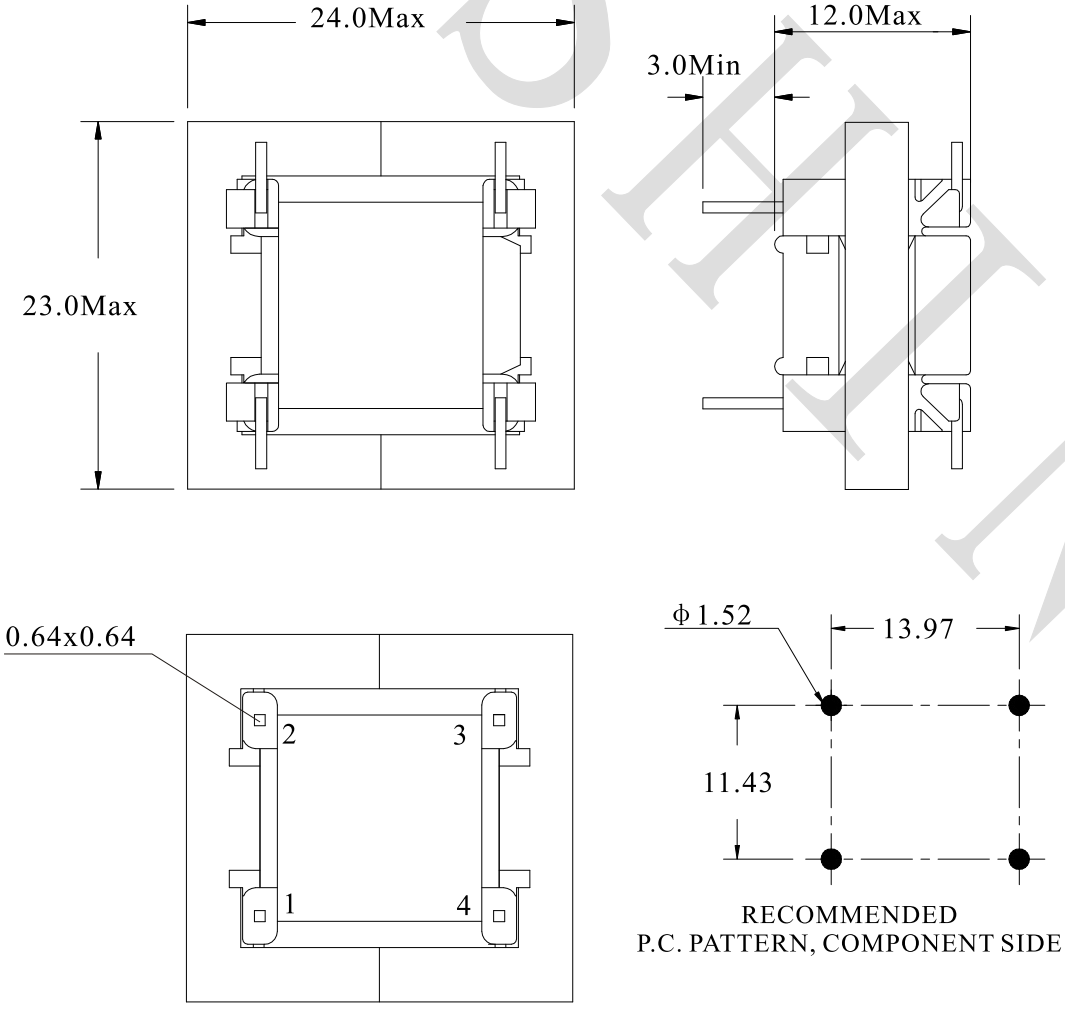
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CUSTOMER P/N:	671-8422-R	DATE:	2020-09-17
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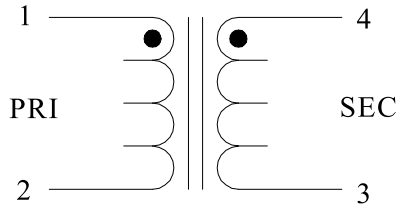
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1.PHYSICAL CHARACTERISTICS(mm)



RECOMMENDED
P.C. PATTERN, COMPONENT SIDE

2.ELECTRONICAL SCHEMATIC



3.ELECTRONICAL SPECIFICATIONS

Isolation voltage: 1000Vrms(Winding to Winding)

Turns ratio: Pin1-2 : Pin4-3=1:1

Pin1-2 inductance: 200mH Min@1KHz,1V

Pin1-2 DCR: 140Ω Max

Pin4-3 DCR: 160Ω Max

Insertion loss: 3.0dB Max@1KHz,1V@Load 600Ω

Note:

1.Solderability:leads shall meet MIL-STD-202, Method 208D for solderability.

2.Flammability: UL94V-0

3.ASTM oxygen index: >28%

4.Test Instrument: WK 3260B+3261A

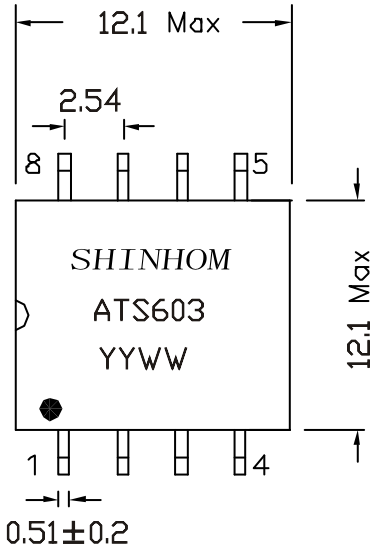
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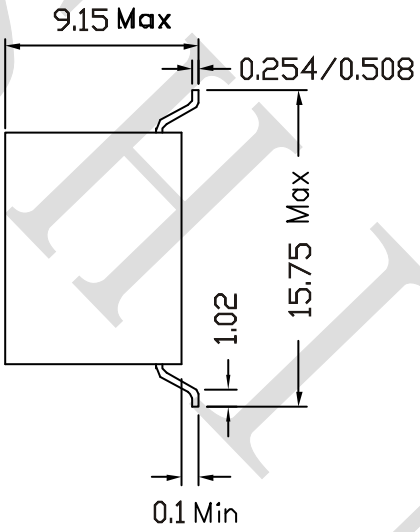
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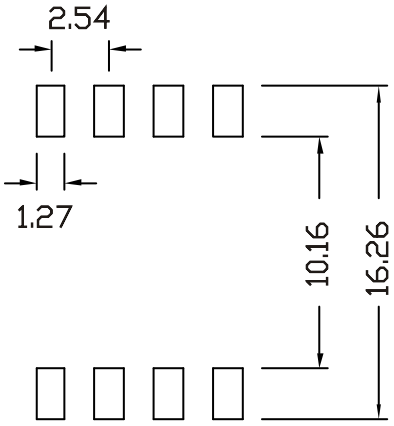
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1.PHYSICAL CHARACTERISTICS(mm)





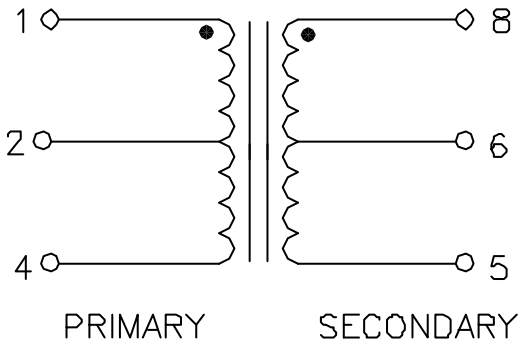


SUGGESTED FOOTPRINT

Notes:

1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: ±0.004"(0.102mm)
9. Moisture Sensitivity: Level 3
10. Electrical and mechanical specifications 100% tested
11. RoHS Compliant Component

2.ELECTRONICAL SCHEMATIC



3.ELECTRONICAL SPECIFICATIONS

Isolation: 1500Vrms (Pri/Sec)
Turns Ratio: 1CT:1CT ±3%
Pri OCL: 2.5mH ±20%, 100KHz, 50mV
Leakage Inductance: 0.50uH Maximum, 100KHz, 50mV
ET Constant: 20V/uS
Rise Time: 25nS Maximum
Bandwidth: 3dB Typical 100KHz to 55MHz
Return Loss: 20dB Typical, 300KHz – 10MHz

Test Instrument:

L: HP4284A
RDC: HM2540

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