

Part Number: AE-S06304HT-A

SMD TRANSFORMER FOR AUTOMOTIVE MANUFACTURING

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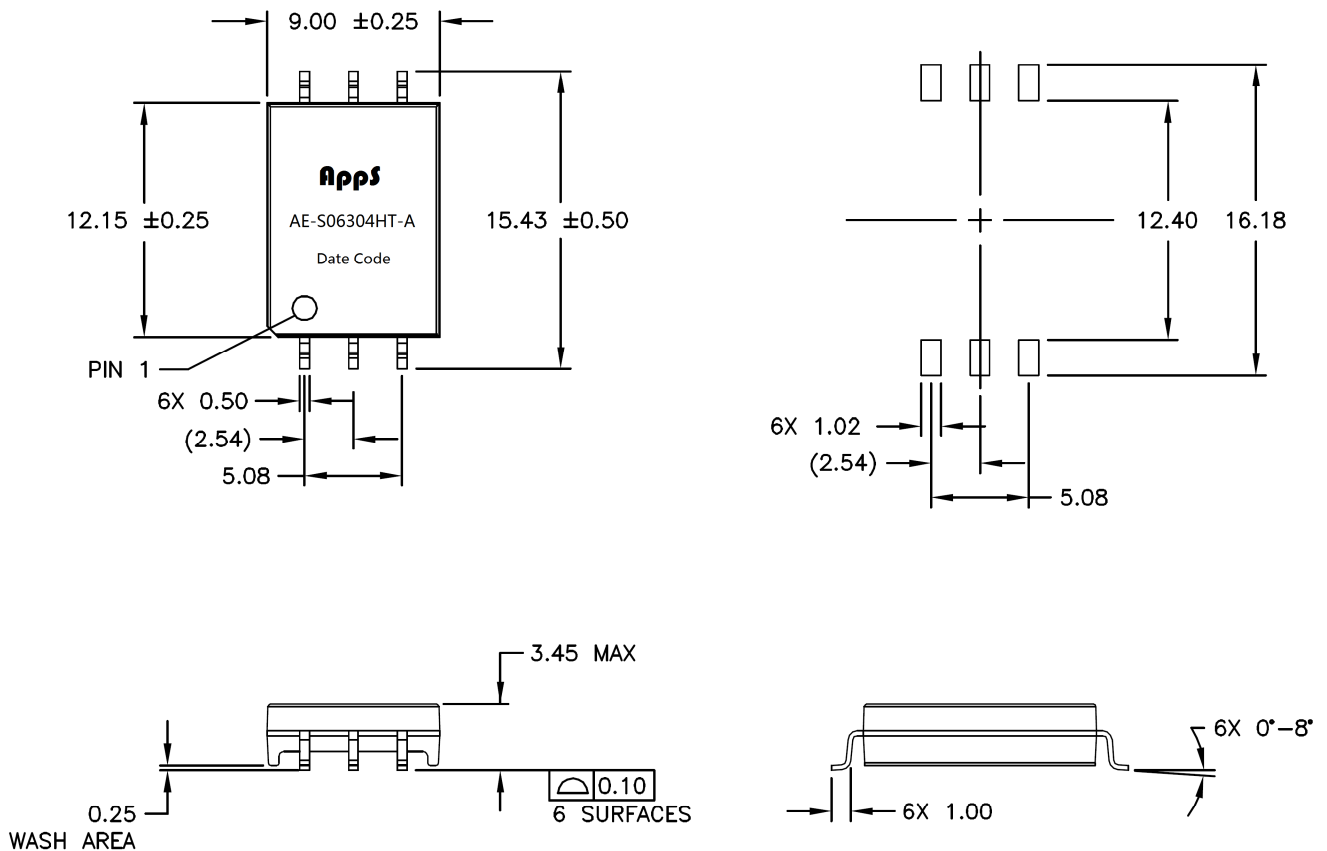
- RoHS compliant.
- AEC-Q200 Qualified.
- Operating temperature range:-40°C to +125°C.
- Storage temperature range:-50°C to +125°C.

Electrical Specifications @ 25°C

Part Number	Turns Ratio (±2%)	OCL(μH) @100KHz/0.1V	LK(μH Max) @100KHz/0.1V	DCR(Ω Max)		HI-POT (VDC)
				1-3	6-4	
AE-S06304HT-A	1:1	150~450	0.50	0.45	0.85	4300V/1mA/60S

Continue						
Part Number	IL(dB)	RL(dB)	CMRR(dB Min)		INSULATION RESISTANCE	WORKING VOLTAGE
	@4MHz	@4MHz	1-10MHz	10-1000MHz		
AE-S06304HT-A	-0.25 Max	-20.0 Min	-35	-20	400 MΩ MIN.	1500VDC FOR 15 YEARS

Mechanicals:



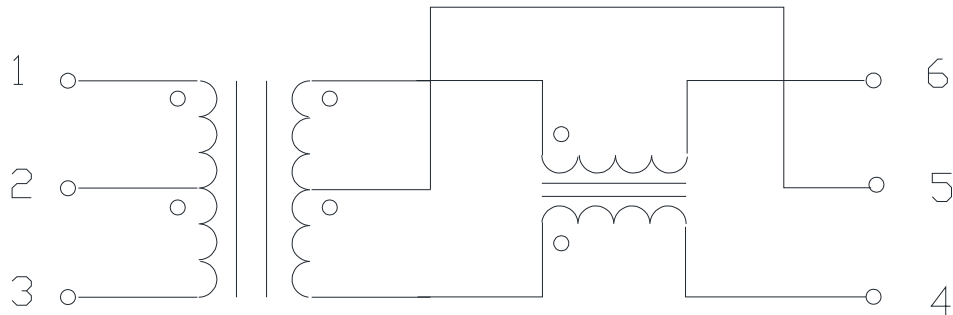
Dimension: mm[inch] ± 0.25[0.010]

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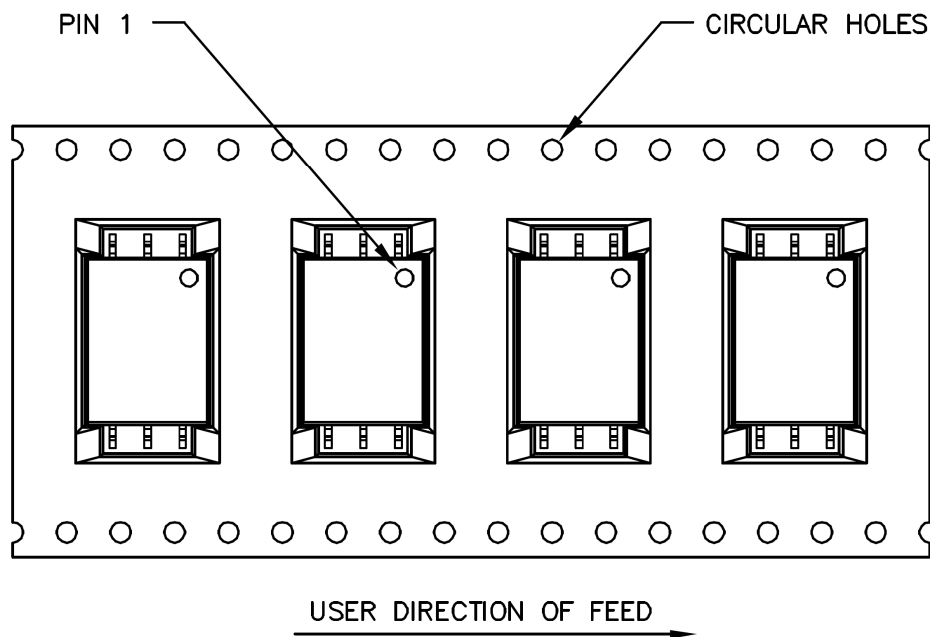
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Schematics:



Package:



REEL DIAMETER: 330mm
 TAPE WIDTH: 24mm
 TAPE PITCH: 16mm
 COMPONENTS PER REEL: 900 PCS

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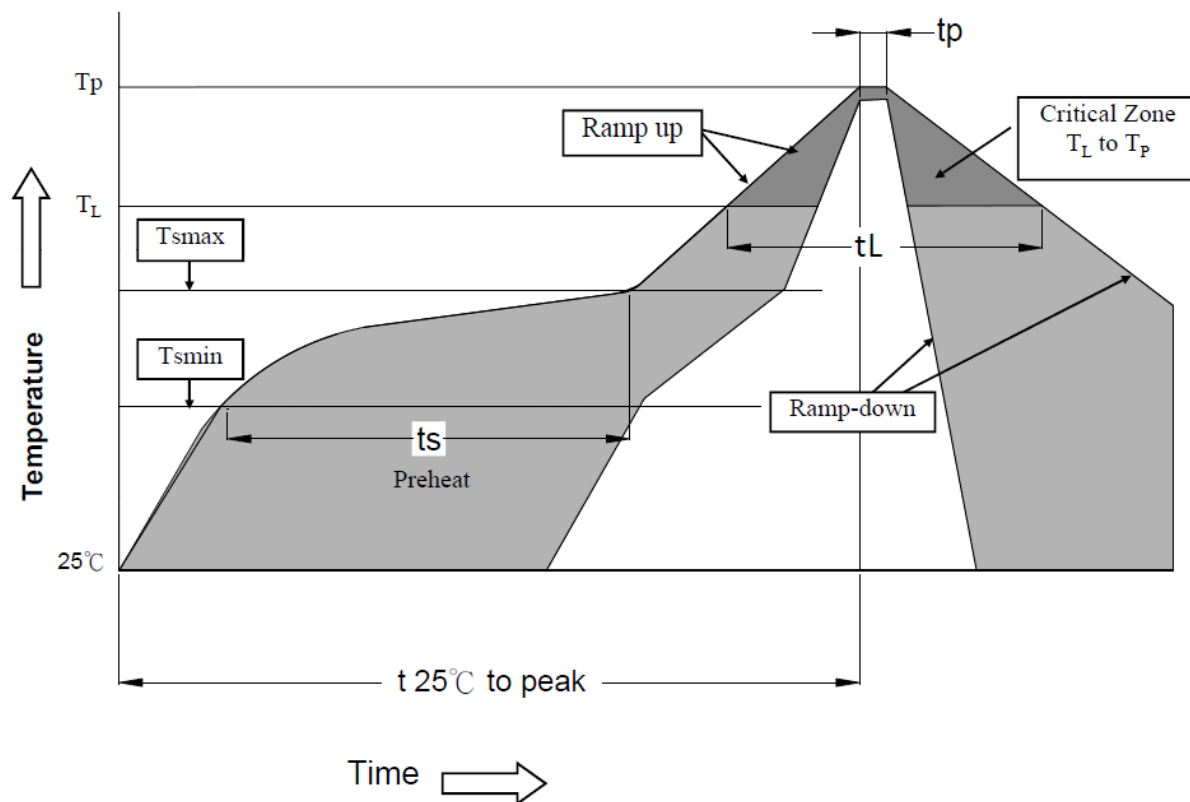
COMPLIANCE TO J-STD:

J-STD-002: SOLDERABILITY AT 245C REFLOW PROFILE

J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE

J-STD-075: R7, 245C MAXIMUM THROUGH REFLOW SOLDER

RECOMMEND REFLOW PROFILE:



$$T_L = 217^{\circ}\text{C}$$

$$T_p = 245^{\circ}\text{C}$$

$$t_s = 60-180\text{s} \quad T_{s \text{ max}} = 200^{\circ}\text{C} \quad T_{s \text{ min}} = 150^{\circ}\text{C}$$

$$t_L = 60-150\text{s} \quad t_p = 20-40\text{s} \quad T_{25^{\circ}\text{C to peak}} = 8\text{min max}$$

$$\text{Ramp up rate} = 3^{\circ}\text{C/s max}$$

$$\text{Ramp down rate} = 6^{\circ}\text{C/s max}$$