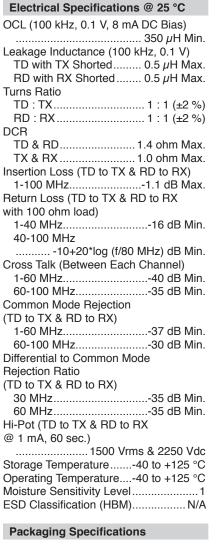


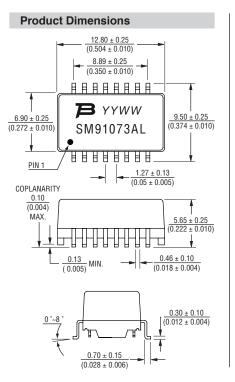
### Features

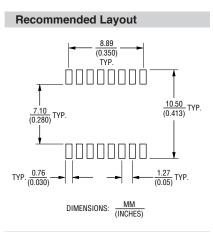
- Designed to meet IEEE 802.3u (100 Base-T)
- Expanded temperature range: -40 to +125 °C
- RoHS compliant\* and halogen free\*\*
- AEC-Q200 compliant

## SM91073AL - 10/100 Base-T Transformer

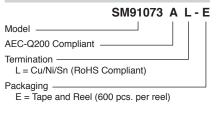


Tape & Reel..... 600 pcs./reel

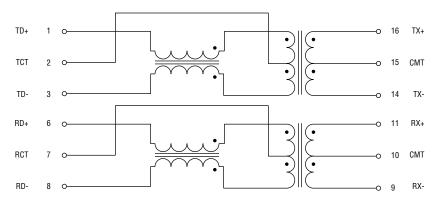




#### How To Order



#### **Electrical Schematic**





\* RoHS Directive 2015/863, Mar 31, 2015 and Annex.
\*\* Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

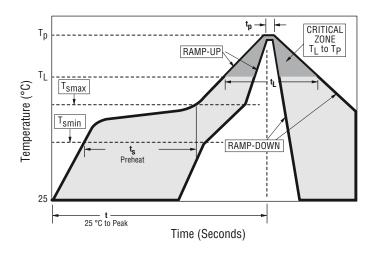
Specifications are subject to change without notice. Users should verify actual device performance in their specific applications

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# SM91073AL - 10/100 Base-T Transformer

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Solder Profile



Profile Features	Pb Free Assembly
Average Ramp-up Rate	3 °C/second max.
Preheat	
Temperature min. (T <sub>S</sub> min)	150 °C
Temperature max. (T <sub>S</sub> max)	200 °C
Time (t <sub>S</sub> min. to t <sub>S</sub> max.)	60 ~ 180 s
Liquidus Temperature: TL	217 °C
Time above Liquidus Temperature: tL	60 ~ 150 s
Peak Temperature: TP	245-250 °C
Time within 5 °C of Actual Peak Temperature: tp	20 ~ 40 s
Ramp-down Rate from Peak Temperature	6 °C/s max.
Time 25 °C to Peak: t <sub>TO PEAK</sub>	8 minutes max.

Specifications are subject to change without notice.

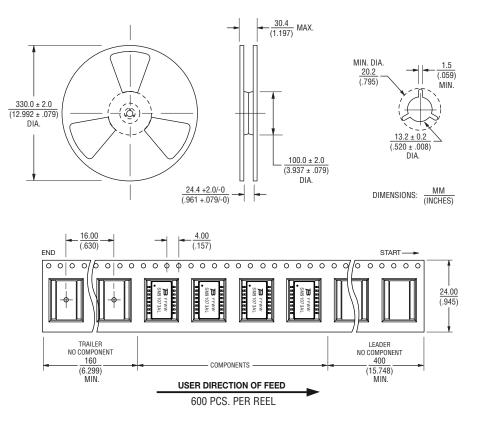
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## SM91073AL - 10/100 Base-T Transformer

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#### **Packaging Specifications**

Specifications and tolerances comply with EIA-481 requirements.



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