

Turns Ratio

with 100 ohm load)

Common Mode Rejection (TD to TX & RD to RX)

Differential to Common Mode

Hi-Pot (TD to TX & RD to RX

Packaging Specifications

...... 1500 Vrms & 2250 Vdc Storage Temperature-40 to +125 °C

Operating Temperature....-40 to +125 °C

Moisture Sensitivity Level1

ESD Classification (HBM).....N/A

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

40-100 MHz

Rejection Ratio

@ 1 mA, 60 sec.)

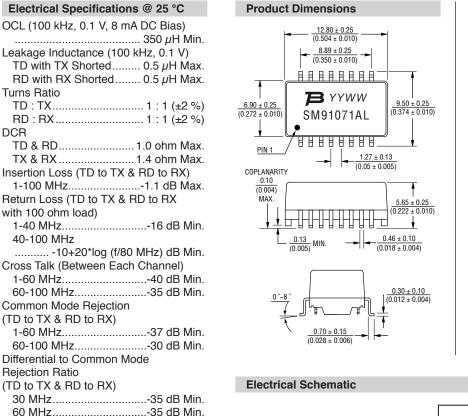
(TD to TX & RD to RX)

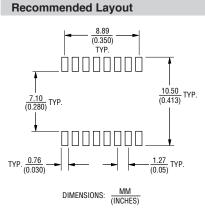
DCR

Features

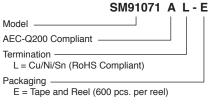
- Good performance and cost-effective
- Designed to meet IEEE 802.3u (100 Base-T)
- Expanded temperature range: -40 to +125 °C
- RoHS compliant* and halogen free**
- AEC-Q200 compliant

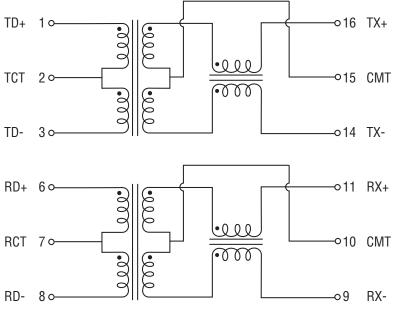
SM91071AL - 10/100 Base-T Transformer





How To Order





www.P65Warnings.ca.gov 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.

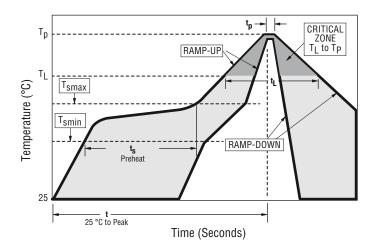
WARNING Cancer and Reproductive Harm

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SM91071AL - 10/100 Base-T Transformer

BOURNS

Solder Profile



Profile Features	Pb Free Assembly
Average Ramp-up Rate	3 °C/second max.
Preheat	
Temperature min. (T _S min)	150 °C
Temperature max. (T _S max)	200 °C
Time (t _S min. to t _S 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: $t_{\mbox{p}}$	20 ~ 40 s
Ramp-down Rate from Peak Temperature	6 °C/s max.
Time 25 °C to Peak: t _{TO PEAK}	8 minutes max.

Specifications are subject to change without notice.

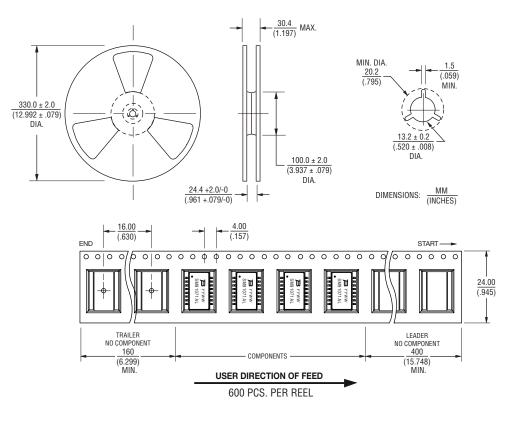
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SM91071AL - 10/100 Base-T Transformer

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Packaging Specifications

Specifications and tolerances comply with EIA-481 requirements.





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