

Features

- Two channels with choke
- Supports serial daisy chain / IsoSPI
- Holds reference designs with Analog Device's Model LTC6804-1/6811 and NXP's MC33771/33772
- Operating temperature: -40 to +125 °C
- 1600 Vdc working voltage

- Hi-Pot: 4300 Vdc
- AEC-Q200 compliant
- RoHS compliant*

SM91501AL BMS Transformer

Electrical Specifications @ 25 °C

Cross Talk (Between Each Channel)
4 MHz......50 dB min.
Common Mode Rejection Ratio
1~200 MHz......35 dB min.

Hi-Pot (1 mA, 60 sec.)4300 VDC or 3100 VAC

Design Construction Functional insulation

Working Voltage ..1600 Vdc for 15 years Creepage Distance......>10 mm Operating Temperature Range

Storage Temperature Range

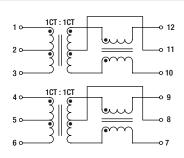
Packaging Specifications

Tape & Reel...... 400 pcs./13-inch reel

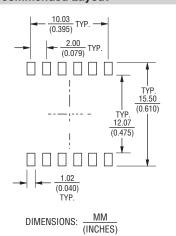
How To Order

E = Tape and Reel (400 pcs./13-inch reel)

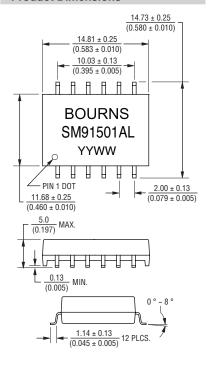
Electrical Schematic



Recommended Layout



Product Dimensions



BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

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WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

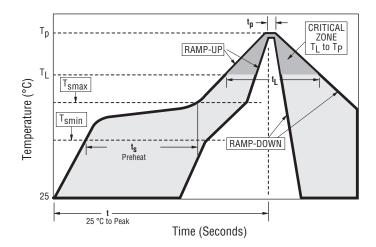
*RoHS Directive 2015/863, Mar 31, 2015 and Annex.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

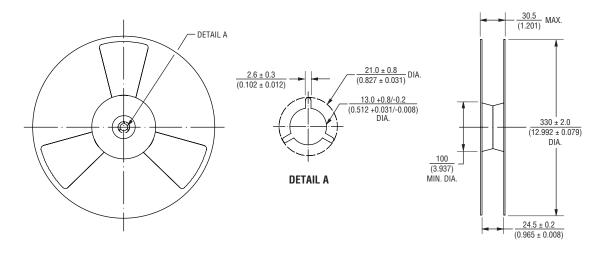
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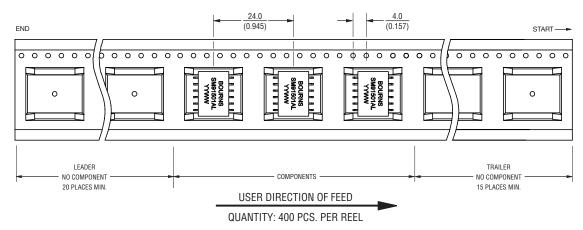
Solder Profile



Profile Feature	Pb Free Assembly
Average Ramp Rate (T _{Smax} to T _P)	3 °C/second max.
Preheat - Temperature Min. (T _{Smin}) - Temperature Max. (T _{Smax}) - Time (t _{Smin} to t _{Smax})	150 °C 200 °C 60-180 seconds
Time Maintained Above - Temperature (TL) - Time (tL)	217 °C 60-150 seconds
Peak Temperature (Tp)	260 °C +0/-5 °C
Time within 5 °C of Actual Peak Temperature (T _p)	20-40 seconds
Ramp-Down Rate	6 °C/second max.
Time 25 °C to Peak Temperature	8 minutes max.

Packaging Specifications





DIMENSIONS: $\frac{MM}{(INCHES)}$

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