

#### **Features**

- One channel 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
- 1000 Vdc working voltage

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

# **SM91502AL BMS Transformer**

## Electrical Specifications @ 25 °C

4 MHz.....-22 dB min.
Common Mode Rejection Ratio
1~100 MHz....-35 dB min.

100~200 MHz.....-28 dB min. Hi-Pot (1 mA, 60 sec.) ......4300 VDC

Working Voltage......1000 Vdc Design Construction

Operating Temperature Range

.....-40 °C to +125 °C Storage Temperature Range

### **Packaging Specifications**

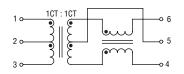
Tape & Reel...... 800 pcs./13-inch reel

#### **How To Order**

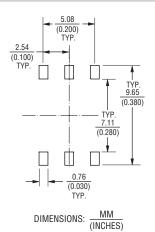
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E = Tape and Reel (800 pcs./13-inch reel)

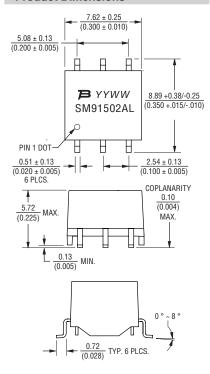
#### **Electrical Schematic**



#### **Recommended Layout**



#### **Product Dimensions**



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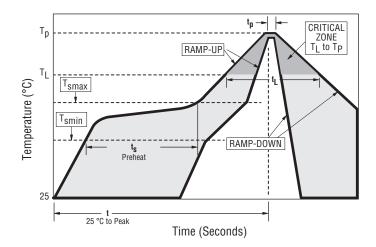
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

\*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.

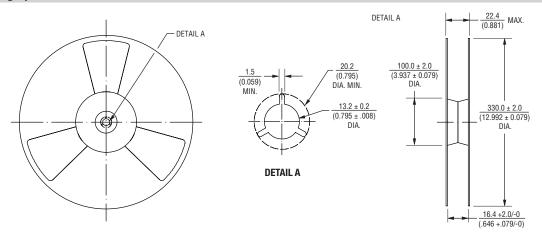
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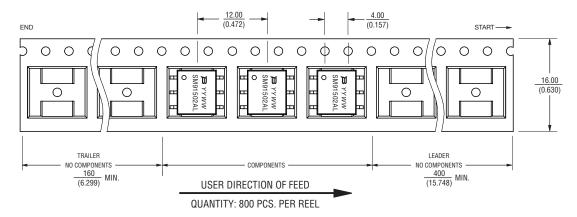
### **Solder Profile**



Profile Feature	Pb Free Assembly
Average Ramp Rate (T <sub>Smax</sub> to T <sub>P</sub> )	3 °C/second max.
Preheat - Temperature Min. (T <sub>Smin</sub> ) - Temperature Max. (T <sub>Smax</sub> ) - Time (t <sub>smin</sub> to t <sub>smax</sub> )	150 °C 200 °C 60-180 seconds
Time Maintained Above - Temperature (T <sub>L</sub> ) - Time (t <sub>L</sub> )	217 °C 60-150 seconds
Peak Temperature (Tp)	245 °C ~ 250 °C
Time within 5 °C of Actual Peak Temperature (tp)	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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