

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

DCR

4 MHz......-0.25 dB max. Return Loss (Z out = 100 ohms) 4 MHz....-22 dB min.

Common Mode Rejection Ratio 1~100 MHz......35 dB min. 100~200 MHz.....28 dB min.

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

Working Voltage1000 Vdc Design Construction

......Functional insulation

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

Storage Temperature Range-50 °C to +125 °C

Packaging Specifications

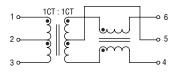
Tape & Reel...... 800 pcs./13-inch reel

How To Order

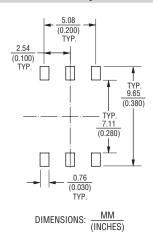
SM91502 A L E

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

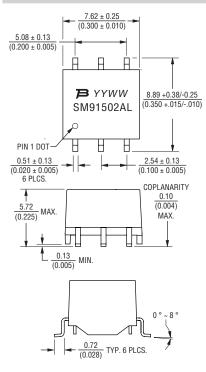
Electrical Schematic



Recommended Layout



Product Dimensions



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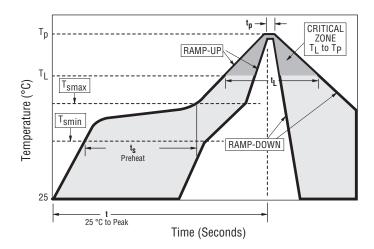
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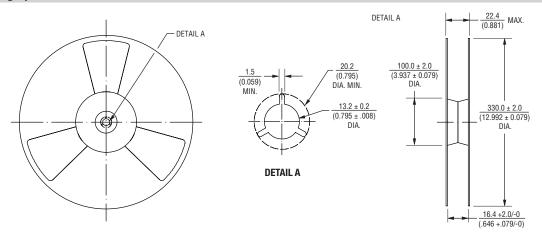
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

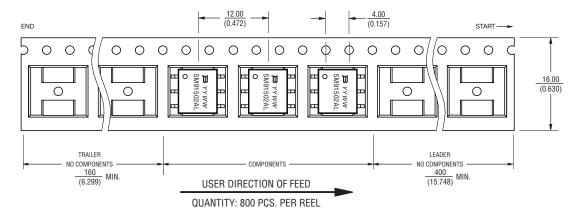
Solder Profile



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 (T _L) - Time (t _L)	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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