

Features

- Pin auto-termination
- Working voltage: 1000 VDC
- Hi-Pot: 4300 VDC
- Single channel with integrated choke
- Developed for use with TI BQ79616
- Functional insulation
- AEC-Q200 compliant
- RoHS compliant*

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SM91525AL BMS Transformer

Additional Information

Click these links for more information:











CONTACT

General Specifications

OCL (100 kHz / 0.1 V, -40 °C ~ +125 °C) 300 μH ~ 1000 μH	Н		
Leakage Inductance (100 kHz/0.1 V)			
0.5 μH max			
DCR			
Transformer Side 0.9 Ω max			
CM Choke Side1.1 Ω max.			
Turns Ratio1:1 ± 2 %	ó		
Insertion Loss:			
1-80 MHz1.0 dB max			
125 MHz3.0 dB max			
Return Loss (Z out = 100 Ω)			
1-30 MHz:16 dB min	١.		
30-60 MHz12 dB min	١.		
60-80 MHz10 dB min			
Hi-pot (1 mA, 60 S)4300 VDC)		
Working Voltage 1000 VDC)		
Operation Temperature			
40 °C to +125 °C)		
Storage Temperature Range			
50 °C to +125 °C			
Moisture Sensitivity Level			
ESD Classification (HBM)N/A	ı		

Packaging Specification

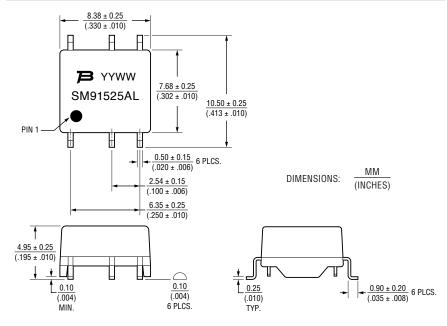
Tape & Reel..... 700 pcs. per 13-inch reel

How To Order

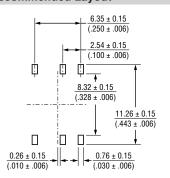
SM91525 A L-E Model AEC-Q200 Compliant RoHS Compliancy Designator Packaging

E = 700 pcs. per 13-inch Reel 5 Reels per Box

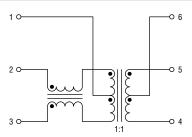
Product Dimensions



Recommended Layout



Electrical Schematic

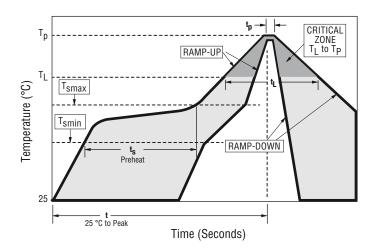




WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

SM91525AL BMS Transformer

Solder Profile



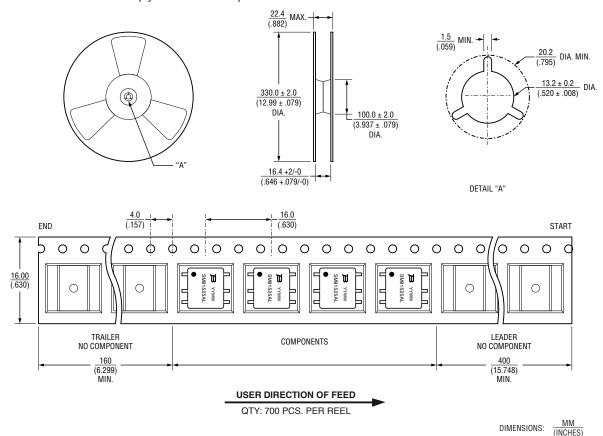
Reflow C	Condition	Pb-free Assembly
Average Ramp-up Rate		3 °C / second max.
Preheat	Temperature Min. (T _{smin})	150 °C
	Temperature Max. (T _{smax})	200 °C
	Time (T _{smin} to T _{smax})	60 ~ 180 seconds
Liquidus Temperature (T _L)		217 °C
Time above Liquidus Temperature (t_L)		60 ~ 150 seconds
Peak Temperature (T _p)		245 - 250 °C
Time with Temperat	iin 5 °C of Actual Peak ure (T _p)	20 ~ 40 seconds
Ramp-down Rate from Peak Temperature		6 °C / second max.
Time from 25 °C to Peak Temperature (T_p)		8 minutes max.
Do not Ex	ceed	250 ° C

SM91525AL BMS Transformer

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Packaging Specifications

Specifications and tolerances comply with EIA-481 requirements.



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