SM91536AL BMS Transformer

Features
- Working voltage up to 1000 VDC
- Hi-Pot: 3000 VAC
- Developed for use with the NXP Model 33771C and Analog Device’s Model LTC6804/681X
- Design construction: Reinforced insulation per GB/T 16935.1, IEC 60664-1 & IEC 62368-1 requirements
- Creepage distance 10 mm minimum, pollution degree 2, material group CTI I
- Clearance distance 10 mm minimum, Overvoltage Category II, up to 5000 m above sea level
- AEC-Q200 compliant
- RoHS compliant*

Additional Information
Click these links for more information:
- PRODUCT
- TECHNICAL LIBRARY
- INVENTORY
- SAMPLES
- CONTACT

Electrical Specifications @ 25 °C
OCL (100 kHz / 0.1 V)
(-40 °C to +125 °C) ............ 150-450 µH
Leakage Inductance (100 kHz/0.1 V)
........................................ 1.0 µH max.
DCR
Transformer Side ............ 0.45 Ω max.
Turns Ratio .................... 1 : 1 ± 2 %
Insertion Loss
4 MHz ...................... -0.30 dB max.
Return Loss (Z out = 100 Ω)
4 MHz ...................... -20 dB min.
Hi-pot (1 mA, 60 S) .............. 3000 VAC
Working Voltage ............ up to 1000 VDC
System Voltage ............ up to 600 VAC
Operating Temperature
................................ -40 °C to +125 °C
Storage Temperature (Component)
................................ -50 °C to +125 °C
Moisture Sensitivity Level
........................................ 1
ESD Classification (HBM)
........................................ N/A

Packaging Specification
Tape & Reel ..... 400 pcs. per 13-inch reel

How To Order
Model
AEC-Q200 Compliant
Termination
L = Tin (RoHS Compliant)
Packaging
E = Tape and Reel

Dimensions: MM (INCHES)

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

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
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Packaging Specifications

Specifications and tolerances comply with EIA-481 requirements.

**DETAIL A**

**USER DIRECTION OF FEED**

**QTY: 400 PCS. PER REEL**
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