

Additional Information

TECHNICAL

LIBRARY

General Specifications

Return Loss (Z out = 100Ω)

PRODUCT

DCR

Insertion Loss:

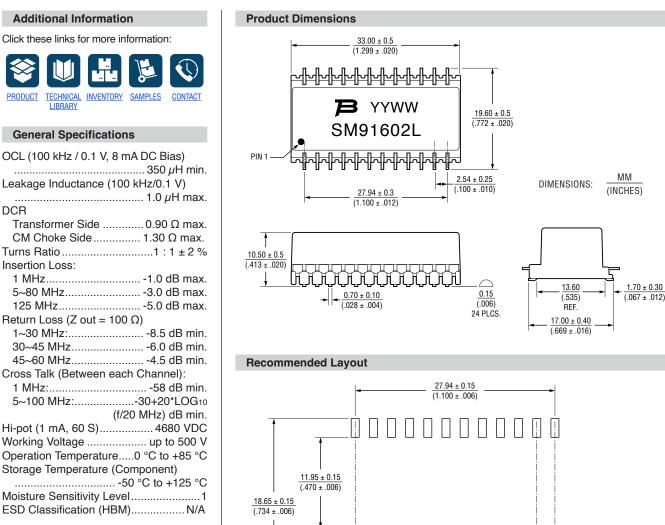
Features

- Single port Gigabit Ethernet
- Working voltage: 500 V
- Hi-Pot: 4680 VDC
- Design construction: Reinforced insulation per IEC 60664-1 and IEC 62368-1 requirements
- RoHS compliant*

SM91602L LAN Transformer

This model is currently available but not recommended for new designs. Please contact the product line for a possible replacement.

Creepage distance 5 mm min., Clearance distance 5 mm min., pollution degree 2, material group CTI I



 1.20 ± 0.15 (.047 ± .006) 24 PLCS.

DIMENSIONS:

 $\frac{2.54 \pm 0.15}{(.100 \pm .006)}$ 22 PLCS.

MM

(INCHES)

ESD Classification (HBM).....N/A

Packaging Specification

Tape & Reel 200 pcs. per 13-inch reel

How To Order

SM916	602 L-E	
Model		
RoHS Compliancy Designator ———		

Packaging

- E = 200 pcs. per 13-inch Reel,
 - 2 Reels per Box



RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

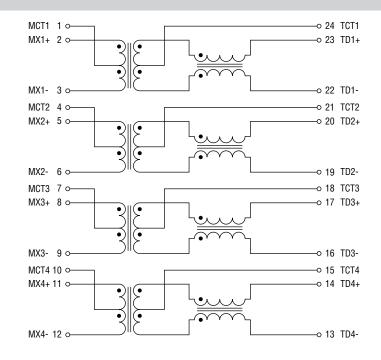
Users should verify actual device performance in their specific applications.

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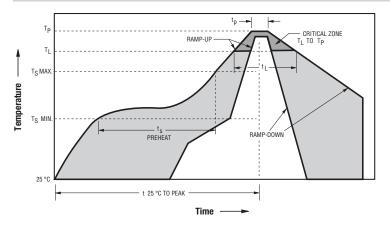
SM91602L LAN Transformer

BOURN

Electrical Schematic



Reflow Solder Profile



Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate	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
Liquidus Temperature (TL)	217 °C
Time Above Liquidus Temperature (t _L)	60~150 seconds
Peak Temperature (T _p)	245-250 °C
Time within 5 °C of Actual Peak Temperature (t _p)	20~40 seconds
Ramp-Down Rate from Peak Temperature	6 °C / second max
Time 25 °C to Peak Temperature (T_p)	8 minutes max.
Do Not Exceed	250 °C

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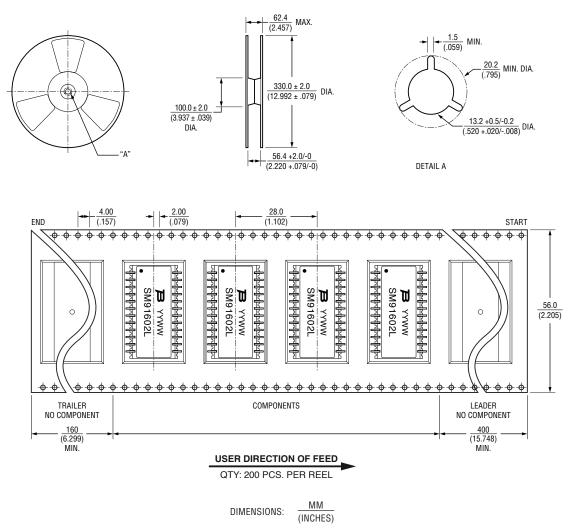
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SM91602L LAN Transformer

BOURNS

Packaging Specifications

Specifications and tolerances comply with EIA-481 requirements.



BOURNS®

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