

Electrical Specifications @ 25 °C

@100 kHz, 0.1 V)..... 0.5 μH max.

TD : TX 1CT:1CT

RD : RX 1CT:1CT

.....-2.0 dB max.

(TD & TX & RD to RX w/ 100 Ω Load)

1-30 MHz.....-12 dB min.

30-45 MHz.....-10 dB min.

45-60 MHz.....-8 dB min.

60-80 MHz.....-6 dB min.

30 MHz.....-40 dB min.

60 MHz.....-35 dB min.

100 MHz.....-30 dB min.

500k - 100 MHz.....-33 dB min.

......4800 VAC, 1 mA

....-40 °C to +85 °C

.....-40 °C to +125 °C

Moisture Sensitivity Level......1 ESD Classification (HBM).....N/A

Tape & Reel 160 pcs./reel

or 4000 VAC, 1 mA, 60 sec.

Cross Talk (Between Each Channel) 1-100 MHz.....-40 dB min.

(TD to TX & RD to RX)

DCMR (TD to TX & RD to RX)

Operating Temperature Range

Storage Temperature Range

Packaging Specifications

E = Tape and Reel (160 pcs./reel)

L = Tin (RoHS Compliant)

How To Order

Model Packaging

Termination

Hi-Pot (Pri. to Sec.)

(TD to TX & RD to RX, 1-100 MHz)

DCR (TD & RD) 1200 mΩ max.

(100 kHz, 0.1 V, 8 mADC)

(TD & RD - TX & RX shorted,

Leakage Inductance

Turns Ratio (±3 %)

Insertion Loss

Return Loss

CMR

Inductance

Features

- IEC 60335, IEC 60601-1 and IEC 60950-1 compliant
- Supplemental insulation
- 250 Vrms working voltage
- 4000 Vrms isolation voltage
- Expanded temperature range: -40 to +85 °C

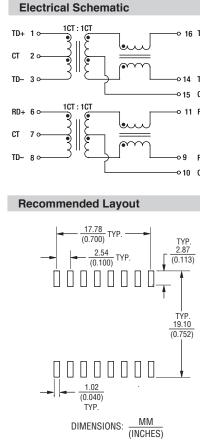
Operating altitude up to 4 km

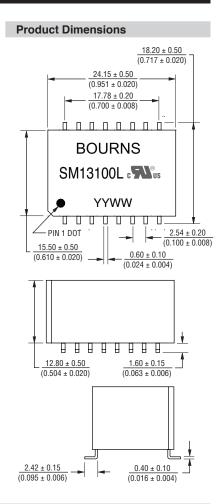
RoHS compliant*

Applications

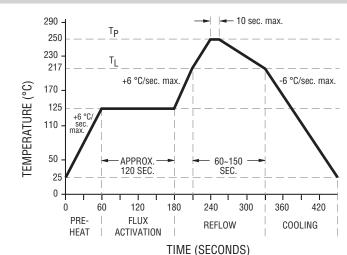
- Industrial Ethernet controls
- Ethernet home appliances
- Medical equipment**

SM13100EL 10/100 Base-T Transformer





Solder Profile



*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

*Excluding life-saving, life-critical or life-sustaining applications.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

SM13100 E L

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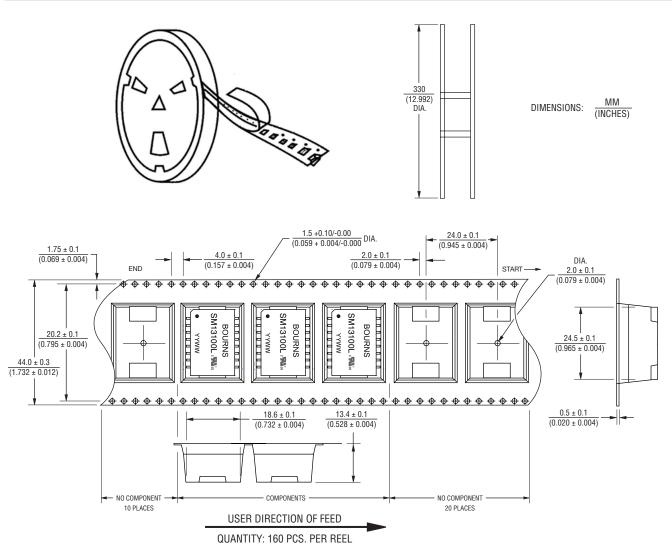
0 16 TX+ 014 TX--015 CT -0 11 RX+

RX-СТ

SM13100EL 10/100 Base-T Transformer

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Packaging Specifications



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