

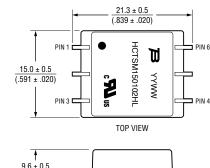
Features

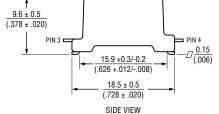
- Toroid core for high coupling and low radiation
- Complies with IEC/UL 60664-1 and IEC/UL 62368-1
- Reinforced insulation for working voltage up to 1500 VDC
- Hi-Pot: 7640 VDC

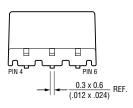
- Designed for isolation power supplies using TI SN6501 and SN6505B
- UL recognized per UL 62368-1, File No. E515965
- Partial discharge level up to 2250 V (Ut = 1800 V)
- RoHS compliant*

HCTSM150102HL High Clearance and Creepage Distance Transformer

Product Dimensions





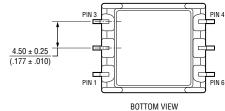


SIDE VIEW

MM

(INCHES)

HCTSM150102H L - E



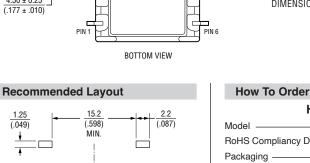
1.25

(.049)

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DIMENSIONS:



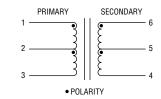
4.50

(.177)



DIMENSIONS:

Electrical Schematic



Additional Information Click these links for more information:

| | H | |
|--|---|--|

PRODUCT TECHNICAL **INVENTORY SAMPLES** CONTACT LIBRARY

General Specifications

| OCL (100 kHz / 1 V)80 μH min. Leakage Inductance (100 kHz/0.1 V) 4.0 μH max. | | | |
|--|--|--|--|
| DCR Pin (1-3) 0.20 Ω max. Pin (6-4) 0.35 Ω max. Turns Ratio (Pin (6-4) : Pin (1-3)) | | | |
| | | | |
| Hi-pot (1 mA, 2 S) | | | |
| (Temperature rise included) Storage Temperature (Component) | | | |
| Packaging Specifications | | | |

Tape & Reel..... 200 pcs./13-inch reel



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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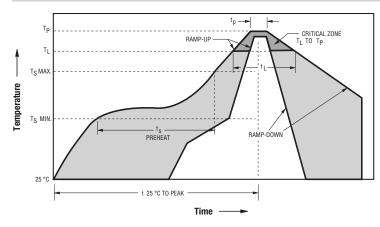
17.4 (.685)

MM

(INCHES)

HCTSM150102HL High Clearance and Creepage Distance Transformer

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| 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 | 260 °C | |

Reflow Solder Profile

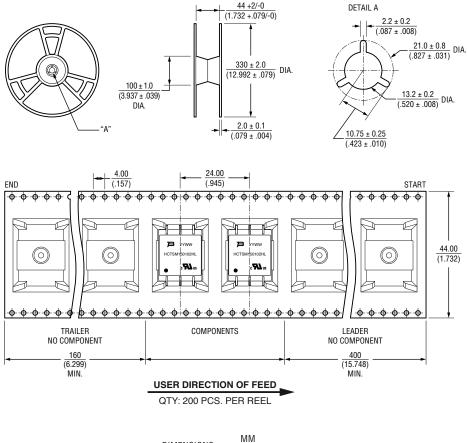
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HCTSM150102HL High Clearance and Creepage Distance Transformer

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Packaging Specifications

Specifications and tolerances comply with EIA-481 requirements.



DIMENSIONS: (INCHES)

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