

# THT INDUCTOR



## Features

Various high power inductors are superior to be high saturation for THT mounting .

## Applications

Power supply for VTR; OA equipment; Digital camera;

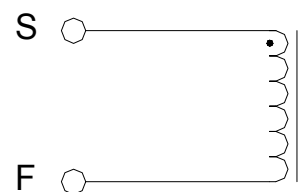
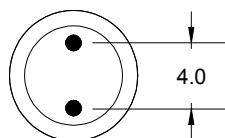
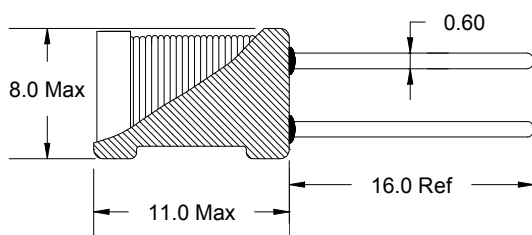
LCD television set notebook computers;

Portable communication equipments; DC/DC converters, etc.



## Shape and Dimensions ( Unit : mm )

## Schematics



| Part Number | Inductance (uH) | Q (Min) | DCR (ohm)max. | Idc (mA) max. | SRF (Min) | Test Conditions |         |
|-------------|-----------------|---------|---------------|---------------|-----------|-----------------|---------|
|             |                 |         |               |               |           | Frequency       | Level   |
| THDR68-100K | 10              | 25      | 0.09          | 1300          | 16        | 7.96KHz         | 0.1Vrms |
| THDR68-120K | 12              | 25      | 0.10          | 1100          | 15        | 7.96KHz         | 0.1Vrms |
| THDR68-150K | 15              | 25      | 0.11          | 1050          | 13        | 7.96KHz         | 0.1Vrms |
| THDR68-180K | 18              | 20      | 0.12          | 1000          | 12        | 7.96KHz         | 0.1Vrms |
| THDR68-220K | 22              | 25      | 0.12          | 960           | 11        | 7.96KHz         | 0.1Vrms |
| THDR68-270K | 27              | 25      | 0.17          | 920           | 10        | 7.96KHz         | 0.1Vrms |
| THDR68-330K | 33              | 25      | 0.19          | 880           | 8.8       | 7.96KHz         | 0.1Vrms |
| THDR68-390K | 39              | 20      | 0.22          | 860           | 8.4       | 7.96KHz         | 0.1Vrms |
| THDR68-470K | 47              | 20      | 0.23          | 830           | 8.2       | 7.96KHz         | 0.1Vrms |
| THDR68-560K | 56              | 20      | 0.29          | 810           | 7.9       | 7.96KHz         | 0.1Vrms |
| THDR68-680K | 68              | 20      | 0.37          | 750           | 7.0       | 7.96KHz         | 0.1Vrms |
| THDR68-820K | 82              | 20      | 0.39          | 740           | 6.5       | 7.96KHz         | 0.1Vrms |
| THDR68-101K | 100             | 30      | 0.44          | 710           | 5.7       | 7.96KHz         | 0.1Vrms |
| THDR68-121K | 120             | 30      | 0.64          | 680           | 5.2       | 7.96KHz         | 0.1Vrms |
| THDR68-151K | 150             | 35      | 0.73          | 600           | 4.7       | 7.96KHz         | 0.1Vrms |
| THDR68-181K | 180             | 35      | 0.82          | 540           | 4.2       | 7.96KHz         | 0.1Vrms |
| THDR68-221K | 220             | 35      | 0.92          | 450           | 3.7       | 7.96KHz         | 0.1Vrms |
| THDR68-271K | 270             | 30      | 1.30          | 420           | 3.50      | 7.96KHz         | 0.1Vrms |

\* "K" is tolerance code ( \* K=  $\pm 10\%$  )

SUOTEK ELECTRONICS COMPANY LIMITED

Tel: 86-769-86318023 Fax : 86-769-86318022 Website: [www.suotek.com](http://www.suotek.com) E-mail: [sales@suotek.com](mailto:sales@suotek.com)

THDR002-1

# THT INDUCTOR



## Features

Various high power inductors are superior to be high saturation for THT mounting .

## Applications

Power supply for VTR; OA equipment; Digital camera;  
LCD television set notebook computers;  
Portable communication equipments; DC/DC converters, etc.



| Part Number | Inductance<br>(uH) | Q<br>(Min) | DCR<br>(ohm)max. | Idc<br>(mA) max. | SRF<br>(Min) | Test Conditions |         |
|-------------|--------------------|------------|------------------|------------------|--------------|-----------------|---------|
|             |                    |            |                  |                  |              | Frequency       | Level   |
| THDR68-331K | 330                | 40         | 1.50             | 400              | 3.20         | 7.96KHz         | 0.1Vrms |
| THDR68-391K | 390                | 25         | 1.80             | 370              | 2.90         | 7.96KHz         | 0.1Vrms |
| THDR68-471K | 470                | 35         | 2.30             | 340              | 2.40         | 7.96KHz         | 0.1Vrms |
| THDR68-561K | 560                | 35         | 3                | 280              | 2.20         | 7.96KHz         | 0.1Vrms |
| THDR68-681K | 680                | 40         | 3.25             | 250              | 2.0          | 7.96KHz         | 0.1Vrms |
| THDR68-821K | 820                | 40         | 4.16             | 230              | 1.6          | 7.96KHz         | 0.1Vrms |
| THDR68-102K | 1000               | 40         | 4.55             | 210              | 1.5          | 7.96KHz         | 0.1Vrms |
| THDR68-122K | 1200               | 40         | 5.20             | 200              | 1.4          | 7.96KHz         | 0.1Vrms |
| THDR68-152K | 1500               | 40         | 7.54             | 180              | 1.3          | 7.96KHz         | 0.1Vrms |
| THDR68-182K | 1800               | 40         | 7.54             | 160              | 1.2          | 7.96KHz         | 0.1Vrms |
| THDR68-222K | 2200               | 40         | 8.32             | 150              | 1.1          | 7.96KHz         | 0.1Vrms |
| THDR68-272K | 2700               | 40         | 9.62             | 130              | 1.0          | 7.96KHz         | 0.1Vrms |
| THDR68-332K | 3300               | 40         | 10.92            | 130              | 0.82         | 7.96KHz         | 0.1Vrms |
| THDR68-392K | 3900               | 40         | 16.12            | 100              | 0.78         | 7.96KHz         | 0.1Vrms |
| THDR68-472K | 4700               | 40         | 17.81            | 85               | 0.68         | 7.96KHz         | 0.1Vrms |
| THDR68-502K | 5000               | 40         | 22.00            | 85               | 0.68         | 7.96KHz         | 0.1Vrms |
| THDR68-562K | 5600               | 40         | 24.0             | 70               | 0.62         | 7.96KHz         | 0.1Vrms |
| THDR68-682K | 6800               | 40         | 27.3             | 65               | 0.61         | 7.96KHz         | 0.1Vrms |
| THDR68-822K | 8200               | 40         | 31.2             | 60               | 0.60         | 7.96KHz         | 0.1Vrms |
| THDR68-103K | 10000              | 40         | 39.0             | 58               | 0.48         | 7.96KHz         | 0.1Vrms |
| THDR68-123K | 12000              | 40         | 42.9             | 56               | 0.44         | 7.96KHz         | 0.1Vrms |
| THDR68-153K | 15000              | 40         | 65.0             | 53               | 0.35         | 7.96KHz         | 0.1Vrms |
| THDR68-183K | 18000              | 40         | 72.8             | 50               | 0.30         | 7.96KHz         | 0.1Vrms |
| THDR68-223K | 22000              | 40         | 82.55            | 46               | 0.28         | 7.96KHz         | 0.1Vrms |
| THDR68-273K | 27000              | 40         | 95.42            | 42               | 0.25         | 7.96KHz         | 0.1Vrms |
| THDR68-333K | 33000              | 40         | 135.2            | 38               | 0.23         | 7.96KHz         | 0.1Vrms |
| THDR68-393K | 39000              | 40         | 154.7            | 37               | 0.20         | 7.96KHz         | 0.1Vrms |
| THDR68-473K | 47000              | 40         | 172.9            | 35               | 0.16         | 7.96KHz         | 0.1Vrms |

\* "K" is tolerance code ( \* K=  $\pm 10\%$  )

SUOTEK ELECTRONICS COMPANY LIMITED

Tel: 86-769-86318023 Fax : 86-769-86318022 Website: [www.suotek.com](http://www.suotek.com) E-mail: [sales@suotek.com](mailto:sales@suotek.com)

THDR002-2