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## Inductors (Coils)

### Inductor Coils

Part Number : **VLS252015T - 6R8MR73**Product Name : **Wire Wound Inductor for Power Line**TDK Series Name : **VLS Series**

Application :

DVCs, DSCs, PDAs, LCD displays, cellular phones, HDDs, etc.

Function :

**Miniature size, Mount area: 2.5x2mm, Height: 1.5mm max. Generic use for portable DC to DC converter line. Available for automatic mounting in tape and reel package. The products do not contain lead and support lead-free soldering.**

Description :

**These are compact inductors for power line measuring at L2.5xW2mm and 1.5mm in height.**

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### Additional Search Tools:

| Application                    | Catalog | SEAT  | CCV | TVCL | Tech Notes |
|--------------------------------|---------|---|-----|------|------------|
| Property Name                  |         | Property Description                        |     |      |            |
| Product Lifecycle Stage        |         | <b>Production</b>                           |     |      |            |
| Part Number Replacement        |         | <i>No Data Available.</i>                   |     |      |            |
| Lead (Pb) Free                 |         | <b>Yes</b>                                  |     |      |            |
| Surface Mount                  |         | <b>Yes</b>                                  |     |      |            |
| Construction Type              |         | <b>WIRE - WOUND</b>                         |     |      |            |
| Shape                          |         | <b>SMD</b>                                  |     |      |            |
| Body Length (L)                |         | Nom <b>2.5</b> mm                           |     |      |            |
| Body Breadth (W)               |         | Nom <b>2</b> mm                             |     |      |            |
| Body Height (T)                |         | Nom <b>1.5</b> mm                           |     |      |            |
| Inductance                     |         | Nom <b>6.8</b> $\mu$ H                      |     |      |            |
| Inductance Tolerance (%)       |         | Min <b>-20</b> %                            |     |      |            |
|                                |         | Max <b>20</b> %                             |     |      |            |
| Frequency of Inductance        |         | Nom <b>1</b> MHz                            |     |      |            |
| Q                              |         | Min <i>No Data Available.</i>               |     |      |            |
| Frequency of Q                 |         | Nom <i>No Data Available.</i>               |     |      |            |
| Self Resonant Frequency        |         | Min <i>No Data Available.</i>               |     |      |            |
| D.C. Resistance                |         | Nom <b>0.4</b> Ohm                          |     |      |            |
| D.C. Resistance                |         | Max <b>0.48</b> Ohm                         |     |      |            |
| Rated Current                  |         | Max <b>0.73</b> A                           |     |      |            |
| Terminal Material              |         | <b>Sn(100%)/Sn plating</b>                  |     |      |            |
| Polarity Marking               |         | <b>No</b>                                   |     |      |            |
| Magnetic Shielding             |         | <b>Yes</b>                                  |     |      |            |
| Soldering Method               |         | <b>Reflow</b>                               |     |      |            |
| Measuring Equipment(L, Q, Rdc) |         | <i>No Data Available.</i>                   |     |      |            |
| Category Temperature Range     |         | Min <b>-40</b> Cel                          |     |      |            |
|                                |         | Max <b>105</b> Cel                          |     |      |            |
| Storage Temperature Range      |         | Min <b>-40</b> Cel                          |     |      |            |
|                                |         | Max <b>105</b> Cel                          |     |      |            |
| Country of Origin              |         | <b>JPN, CHN</b>                             |     |      |            |
| Packing                        |         | <b>Blister (Plastic)Taping [180mm Reel]</b> |     |      |            |
| Minimum Package Qty            |         | Nom <b>2000</b> Pcs                         |     |      |            |
| Minimum Order Qty              |         | Nom <b>2000</b> Pcs                         |     |      |            |
| Weight                         |         | Nom <b>0.028</b> g                          |     |      |            |

Disclaimer: This information is to be used for reference purposes only and is subject to change by TDK without notice. It reflects an overview of the product characteristics/performance for the particular part number. For product specification information, please refer to TDK's general product specification. Please note that this standard part is not designed or warranted to meet any specifications of any intermediate or end user different from or in addition to the specifications set forth in TDK's general product specification. Note also that this standard part has not been specially designed or manufactured for, nor is it intended or warranted for use in, or permitted to be resold for, specialized applications such as aviation, medical, and/or governmental/military applications (collectively, "Excluded Applications").