

VLM10555T-R70M120-3H RoHS Reach Pb Free

| Applications  | Automotive Grade  |
|---------------|---|
| Feature       | AEC-Q200 AEC-Q200 Wire Wound Wire Wound Shield Magnetic Shield Ferrite Core |
| Series   Type | VLM   |
| Status        | Production  |
| Brand         | TDK   |



| Size                         |                 |  |
|------------------------------|-----------------|--|
| Length(L)                    | 10.50mm Max.    |  |
| Width(W)                     | 10.60mm ±0.20mm |  |
| Thickness   Height           | 5.40mm ±0.20mm  |  |
| Recommended Land Pattern (A) | 2.60mm Nom.     |  |
| Recommended Land Pattern (B) | 3.40mm Nom.     |  |
| Recommended Land Pattern (C) | 3.00mm Nom.     |  |
| Recommended Land Pattern (D) | 6.10mm Nom.     |  |
| Recommended Land Pattern (E) | 1.90mm Nom.     |  |
| Recommended Land Pattern (F) | 1.80mm Nom.     |  |

| Electrical Characteristics              |                      |  |  |  |
|---|----------------------|--|--|--|
| Inductance                              | 700nH ±20% at 100kHz |  |  |  |
| Rated Current (L Change) [Typ.]         |                      |  |  |  |
| Rated Current (L Change) [Max.]         | 26A (25% Down)       |  |  |  |
| Rated Current (Temperature Rise) [Typ.] | 12A (40°C Rise)      |  |  |  |
| Rated Current (Temperature Rise) [Max.] |                      |  |  |  |
| DC Resistance [Typ.]                    | 2.1mΩ                |  |  |  |
| DC Resistance [Max.]                    | 2.5mΩ                |  |  |  |
| Self Resonant Frequency [Min.]          |                      |  |  |  |
| Self Resonant Frequency [Typ.]          |                      |  |  |  |
| Q [Min.]                                |                      |  |  |  |
| Q [Typ.]                                |                      |  |  |  |

| Other   |                                       |  |  |  |
|---|---------------------------------------|--|--|--|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 125°C                          |  |  |  |
| Coldaring Mathed                                  | Reflow                                |  |  |  |
| Soldering Method                                  | Iron Soldering                        |  |  |  |
| AEC-Q200  | YES                                   |  |  |  |
| Packing   | Embossed (Plastic)Taping [330mm Reel] |  |  |  |

<sup>!</sup> Images are for reference only and show exemplary products.

<sup>!</sup> This PDF document was created based on the data listed on the TDK Corporation website.

 $<sup>! \ \</sup>mbox{All specifications}$  are subject to change without notice.



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| Package Quantity | 500pcs |
|------------------|--------|
| Weight           | 1.7g   |

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**公TDK** SMD / SMT Inductors (Coils) VLM10555T-R70M120-3H

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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

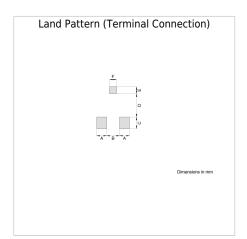
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## **Associated Images**



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