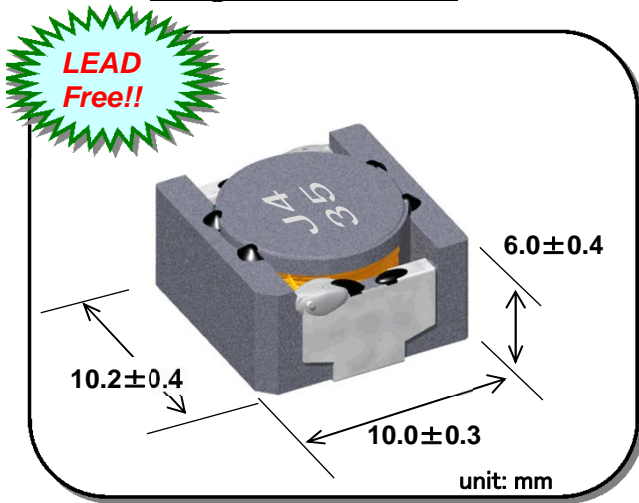




**THE DATASHEET OF
RLF10160T-221MR70-D**



**Component
Image & Dimension**



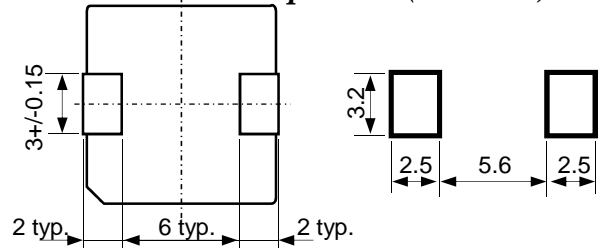
Features :

- a) Miniature Size :
Mount Area : 10.2mm square
Low Profile : 6.4mm Max. Height
- b) Tough Design
Generic use for Automotive Appliance.
Heat and vibration, mechanical shock resistance ability can endure an automobile use.
Operation temperature ; -40°C ~ +150°C
(Including self-temperature rise)
Storage temperature ; -40°C ~ +150°C
- c) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.
- d) Automatic Mounting in Tape & Reel Package.
- e) Qualified acc. AEC-Q200.

Applications :

for Automotive electric control devices and high temperature operation devices
Automotive Appliance (ECM, HID, SRS Air Bag, Transmission control, Power steering control, Brake control, etc)

Recommended Land pattern (unit: mm)



Electrical Specification

| TDK Identification | Inductance (uH) | Test Freq. (kHz) | DC Resistance (Ohm.) | Rated DC Current | |
|----------------------|--------------------|---------------------|-------------------------|-------------------|-------------------|
| | | | | Idc 1 (A max.) | Idc 2 (A Typ.) |
| RLF10160T- 100M2R8-D | 10 +/-20% | 100 | 31m +/-20% | 5.0 | 2.8 |
| RLF10160T- 150M2R5-D | 15 +/-20% | 100 | 39m +/-20% | 4.4 | 2.5 |
| RLF10160T- 220M2R0-D | 22 +/-20% | 100 | 55m +/-20% | 3.6 | 2.0 |
| RLF10160T- 330M1R8-D | 33 +/-20% | 100 | 66m +/-20% | 2.8 | 1.8 |
| RLF10160T- 470M1R5-D | 47 +/-20% | 100 | 93m +/-20% | 2.4 | 1.5 |
| RLF10160T- 680M1R2-D | 68 +/-20% | 100 | 121m +/-20% | 1.9 | 1.2 |
| RLF10160T- 101M1R1-D | 100 +/-20% | 100 | 195m +/-20% | 1.7 | 1.1 |
| RLF10160T- 151MR90-D | 150 +/-20% | 100 | 277m +/-20% | 1.3 | 0.9 |
| RLF10160T- 221MR70-D | 220 +/-20% | 100 | 409m +/-20% | 1.0 | 0.7 |

Note. Idc 1 : Depend on the Inductance Saturation. (-30% Saturation from Nominal L Value, Ta= 20degC)
Idc 2 : Depend on the self temperature rise. (ΔT=20degC, Ta=20degC)

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- ⊖ [View RLF10160T-221MR70-D on WIN SOURCE](#)
- ⊖ [TDK Corporation](#) Information

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- ✓ Obsolete Management
- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management