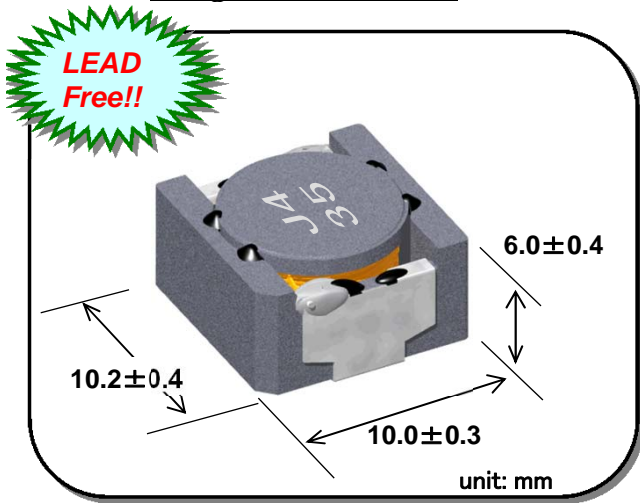




**THE DATASHEET OF
RLF10160T-680M1R2-D1**



**Component
Image & Dimension**



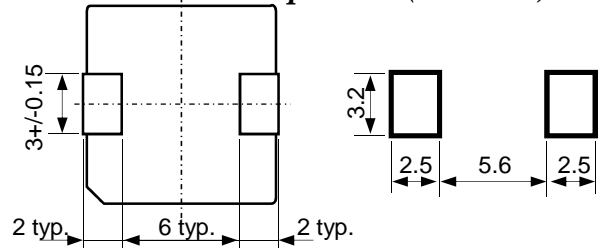
Features :

- 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-680M1R2-D1 on WIN SOURCE](#)
-  [TDK Corporation Information](#)

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