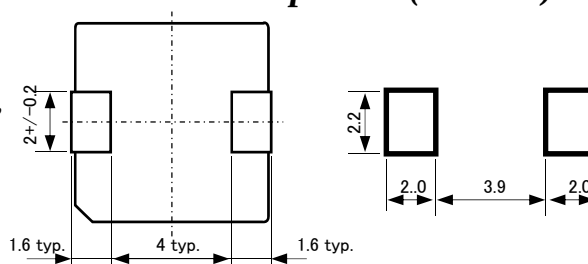


**Component
Image & Dimension****Features :**

- a) Miniature Size :
Mount Area : 7.0mm square
Profile : 3.2mm Max. Height
- b) Low D.C.Resistance .
Low D.C.resistance and High rated current was realized by the flat-wire and the characteristic ferrite core design.
- c) Operation temperature ; -40°C ~ +125°C
(Including self-temperature rise)
Storage temperature ; -40°C ~ +125°C
- d) High Magnetic Shield Construction should actualize High Resolution for EMC Protection.
- e) Automatic Mounting in Tape & Reel Package.
- f) 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)	Tol. (%)	Test		DC Resistance (Ohm.)	Rated DC Current	
			Freq. (kHz)			Idc 1 (A max.)	Idc 2 (A Typ.)
RLF7030T- 1R0N6R4-T	1.0	+/-30%	100		7.3m +/-20%	7.9	6.4
RLF7030T- 1R5N6R1-T	1.5	+/-30%	100		8.0m +/-20%	6.5	6.1
RLF7030T- 2R2M5R4-T	2.2	+/-20%	100		10.0m +/-20%	5.5	5.4
RLF7030T- 3R3M4R1-T	3.3	+/-20%	100		17.4m +/-20%	4.4	4.1
RLF7030T- 4R7M3R4-T	4.7	+/-20%	100		26.0m +/-20%	3.5	3.4
RLF7030T- 6R8M2R8-T	6.8	+/-20%	100		37.3m +/-20%	3.0	2.8

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

Idc 2 : Depend on the self temperature rise. (Δ T=40 degC, Ta=20degC)