

**Component**  
**Image & Dimension**



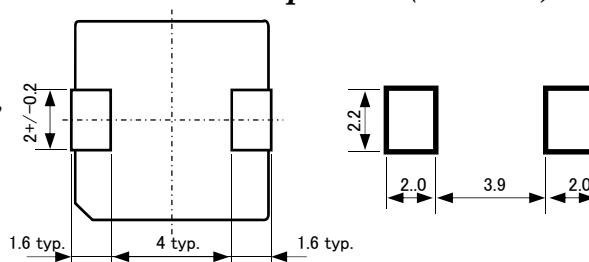
**Features :**

- 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		Rated DC Current		
			Freq. (kHz)	DC Resistance (Ohm.)	Idc 1 (A max.)	Idc 2 (A Typ.)	
<b>RLF7030T- 1R0N6R4-T</b>	<b>1.0</b>	<b>+/-30%</b>	<b>100</b>	<b>7.3m</b>	<b>+/-20%</b>	<b>7.9</b>	<b>6.4</b>
<b>RLF7030T- 1R5N6R1-T</b>	<b>1.5</b>	<b>+/-30%</b>	<b>100</b>	<b>8.0m</b>	<b>+/-20%</b>	<b>6.5</b>	<b>6.1</b>
<b>RLF7030T- 2R2M5R4-T</b>	<b>2.2</b>	<b>+/-20%</b>	<b>100</b>	<b>10.0m</b>	<b>+/-20%</b>	<b>5.5</b>	<b>5.4</b>
<b>RLF7030T- 3R3M4R1-T</b>	<b>3.3</b>	<b>+/-20%</b>	<b>100</b>	<b>17.4m</b>	<b>+/-20%</b>	<b>4.4</b>	<b>4.1</b>
<b>RLF7030T- 4R7M3R4-T</b>	<b>4.7</b>	<b>+/-20%</b>	<b>100</b>	<b>26.0m</b>	<b>+/-20%</b>	<b>3.5</b>	<b>3.4</b>
<b>RLF7030T- 6R8M2R8-T</b>	<b>6.8</b>	<b>+/-20%</b>	<b>100</b>	<b>37.3m</b>	<b>+/-20%</b>	<b>3.0</b>	<b>2.8</b>

**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)