

# GLU Series Liqualloy<sup>™</sup> Power Inductor

# DC Resistance Reduced 25%—Higher energy-saving performance for OLED



- Improves on efficiency of existing GLC Series with DC resistance reduced by 25%
  Adopts original low-core-loss material Ligualloy™ with excellent soft magnetic
- characteristics, realizing low loss during power conversion
  Excellent characteristics in circuits with high switching frequency and high ripple
- current, contributing to long battery life in mobile devices
  Locating electrodes on the base helps improve end product design flexibility

#### **Applications**

- Smartphones, Tablets
- Other mobile devices equipped with OLED technology

### Typical Specifications

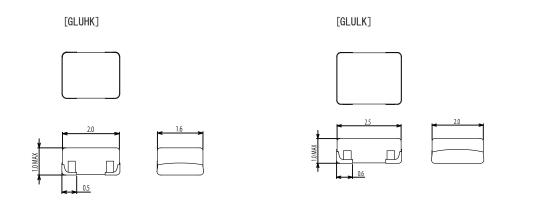
ltems	GLUHK Series	GLULK Series
Dimensions $(W \times D \times H)$	2.0 imes1.6 imes1.0 mm	$2.5 \times 2.0 \times 1.0 \text{ mm}$
Operating Voltage	16Vop max.	16Vop max.
Operating Temperature (%1)	-30℃ to +125℃	-30℃ to +125℃
Storage Temperature	-40°C to +60°C	-40°C to +60°C
Inductance at 1MHz [ $\mu$ H]	0.47 to 2.2	0.47 to 4.7
DC Resistance Max. $[m\Omega]$	30 to 126	24 to 192
ACR at 1MHz Typ. $[m\Omega]$ ( $\%2$ )	29 to 110	22 to 196
Saturation Current idc1 Max. [A] (※3)	1.5 to 3.0	1.2 to 3.6
Heat Rating Current idc2 Max. [A] (%3)	1.7 to 3.6	1.3 to 3.9

(%1) Include self temperature rise

(%2) ACR=Rs-DCR (Rs:equivalent series resistance)

(%3) The saturation current (ldc1) is the DC current value having inductance decrease down to 30%. (at 20°C) The heat rating current (ldc2) is the DC current value having temperature increase up to 40°C. (at 20°C)

#### Dimensions



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Unit : mm

#### Product Information URL http://www.alps.com/products/e/

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