

GLU Series

Liqualloy™ Power Inductor

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



Features

- Improves on efficiency of existing GLC Series with DC resistance reduced by 25%
- Adopts original low-core-loss material Liqualloy™ 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

Items	GLUHK Series	GLULK Series
Dimensions (W×D×H)	2.0 × 1.6 × 1.0 mm	2.5 × 2.0 × 1.0 mm
Operating Voltage	16Vop max.	16Vop max.
Operating Temperature (※1)	-30°C to +125°C	-30°C to +125°C
Storage Temperature	-40°C to +60°C	-40°C to +60°C
Inductance at 1MHz [μ H]	0.47 to 2.2	0.47 to 4.7
DC Resistance Max. [m Ω]	30 to 126	24 to 192
ACR at 1MHz Typ. [m Ω] (※2)	29 to 110	22 to 196
Saturation Current i_{dc1} Max. [A] (※3)	1.5 to 3.0	1.2 to 3.6
Heat Rating Current i_{dc2} Max. [A] (※3)	1.7 to 3.6	1.3 to 3.9

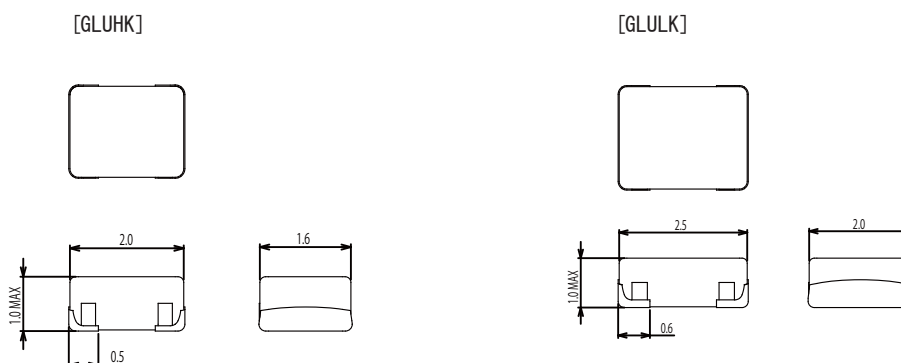
(※1) Include self temperature rise

(※2) $ACR = R_s - DCR$ (R_s : equivalent series resistance)

(※3) The saturation current (i_{dc1}) is the DC current value having inductance decrease down to 30%. (at 20°C)
The heat rating current (i_{dc2}) is the DC current value having temperature increase up to 40°C. (at 20°C)

Dimensions

Unit : mm



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