

# SMD POWER INDUCTORS

## HIQ127,HCQ127 Series

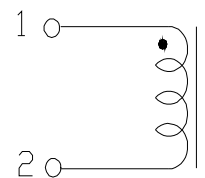
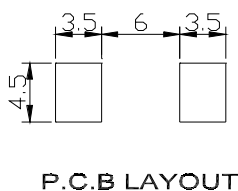
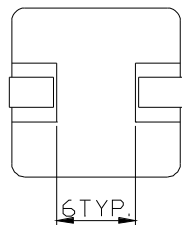
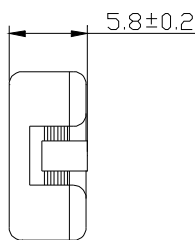
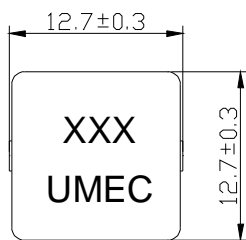
- This is a high current and low inductance SMD power inductor to be constructed by flat wire with powder core.
- Operating temperature range: -40°C to +125°C

### ELECTRICAL SPECIFICATIONS @25°C

UMEC MODEL NUMBER	MARK	$L \pm 20\%^{1}$ ( $\mu\text{H}$ )	DCR(m $\Omega$ ) Max.	Isat <sup>2</sup> (A)	POWDER MATERIAL
HIQ127-0R5	0R5	0.5	1.8	40	Iron
HIQ127-1R0	1R0	1	2.5	23	Iron
HIQ127-2R8	2R8	2.8	5.4	9	Iron
HCQ127-0R5	0R5	0.5	1.8	40	composite
HCQ127-1R0	1R0	1	2.5	35	Composite

1. Inductance tested at 100KHz, 0.1V,  $L_s$
2. Inductance drop 20% max. at Isat.
3. For RoHS compliant products: a.)The Ordering Code: TG-Model No. ex. TG-HIQ127-0R5  
b.)Solder : Sn/Ag/Cu c.)Date Code suffix to "G" (xxxxG)

### DIMENSION & DRAWING



\*Specifications are subject to change without prior notice.

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