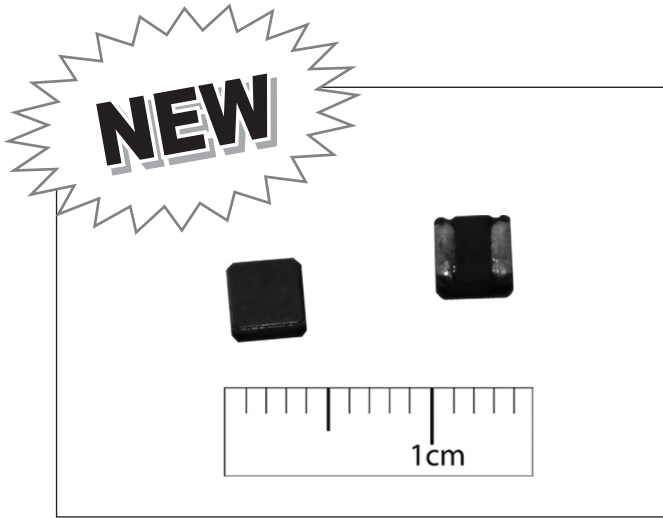


SMD MAGNETIC EPOXY SHIELDED POWER INDUCTORS (EH-XXY SERIES)

trio



● PART NUMBERING

EH - □□□ □ □□ □ □
(1) (2) (3) (4) (5) (6)

- (1) Series
- (2) Inductance
- (3) Tolerance
- (4) Dimension
- (5) Material
- (6) Internal Serial No.

EH
01

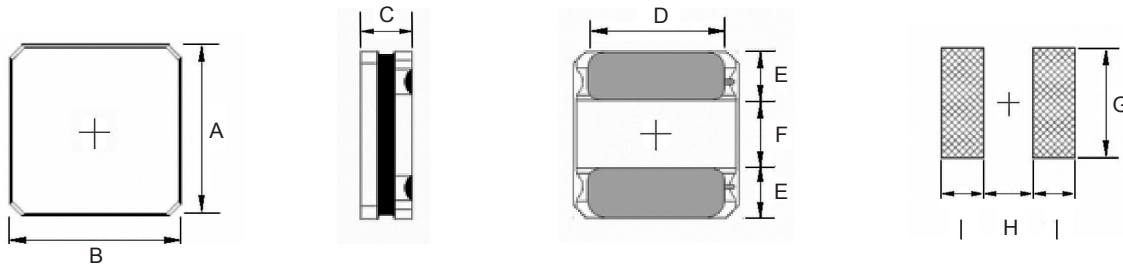
● FEATURES

- Small and low profile inductors.
- High current.
- Simple and original magnetic shield structure.

● APPLICATIONS

- DC/DC converters
- Mobile phones
- HDDs
- LCD displays
- DSCs.

● CONFIGURATIONS & DIMENSIONS



Unit : mm

| SERIES | A | B | C | D | E | F | G | H | I |
|--------|---------|---------|----------|----------|---------|---------|----------|----------|----------|
| EH-1UY | 3.0±0.1 | 3.0±0.1 | 1.5 Max. | 2.7 Typ. | 0.9±0.2 | 1.2±0.2 | 2.7 Ref. | 1.2 Ref. | 1.0 Ref. |

• For packaging information, please refer to page P.108 .

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● ELECTRICAL CHARACTERISTICS

| New Part No. | Old Part No. | L (μ H) | FREQ. (KHz/1V) | DCR (Ω , Max.) | Isat (A, Max.) | Irms (A, Max.) |
|--------------|----------------|-----------------|-------------------|---------------------------|-------------------|-------------------|
| EH-10A□1UY□□ | SDIG0315D-1R0□ | 1.00 | 1000 | 0.048 | 2.10 | 2.10 |
| EH-15A□1UY□□ | SDIG0315D-1R5□ | 1.50 | 1000 | 0.066 | 1.80 | 1.90 |
| EH-22A□1UY□□ | SDIG0315D-2R2□ | 2.20 | 1000 | 0.072 | 1.48 | 1.60 |
| EH-33A□1UY□□ | SDIG0315D-3R3□ | 3.30 | 1000 | 0.112 | 1.21 | 1.45 |
| EH-47A□1UY□□ | SDIG0315D-4R7□ | 4.70 | 1000 | 0.136 | 1.08 | 1.25 |
| EH-68A□1UY□□ | SDIG0315D-6R8□ | 6.80 | 1000 | 0.211 | 0.90 | 0.90 |
| EH-100□1UY□□ | SDIG0315D-100□ | 10.0 | 1000 | 0.276 | 0.75 | 0.87 |
| EH-150□1UY□□ | SDIG0315D-150□ | 15.0 | 1000 | 0.422 | 0.58 | 0.65 |
| EH-220□1UY□□ | SDIG0315D-220□ | 22.0 | 1000 | 0.622 | 0.47 | 0.55 |
| EH-330□1UY□□ | SDIG0315D-330□ | 33.0 | 1000 | 0.959 | 0.39 | 0.45 |
| EH-470□1UY□□ | SDIG0315D-470□ | 47.0 | 1000 | 1.406 | 0.32 | 0.40 |

- Tested at 25°C.
- Temperature rise: 40°C Typ. at Irms
- Inductance drop: 30% Typ. at Isat
- Operating temperature : -55°C to +125°C
- Storage temperature : -40°C to +105°C ,and RH 70% (Max.)

EH
02