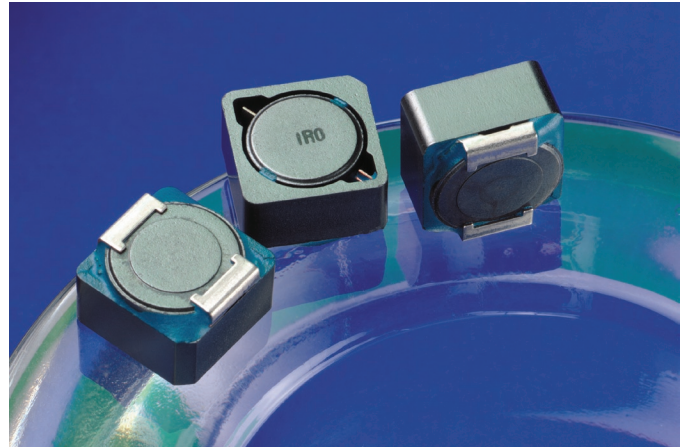
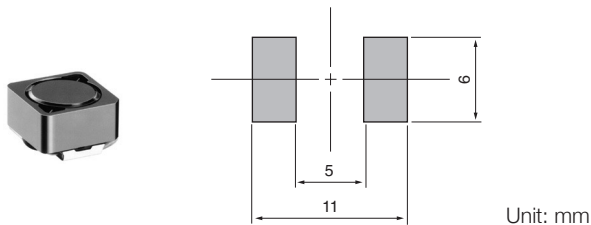
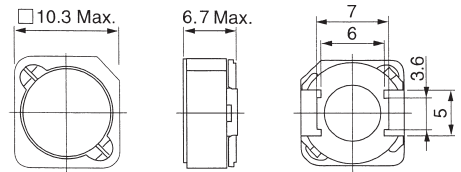


HIGH CURRENT SURFACE MOUNT FIXED INDUCTOR
Description

The TOKO D106C Series is a high current surface mount fixed inductor with a maximum DC current rating of 15 Amps. The product is specifically designed for DC-DC converter applications in voltage regulator modules, portable computers, and embedded computing systems.

Features

- 10x10 mm footprint ($\pm 0.3\text{mm}$)
- 6.7mm maximum height
- Inductance range: 0.56 to 8.2 μH
- Frequency range: 0.1 to 1MHz
- Magnetically shielded
- Packaged on 500 piece reels
- Reflow solderable
- Lead-free terminations


Recommended patterns

Dimensions


Unit: mm
Tolerance: $\pm 0.3\text{mm}$

STANDARD PARTS SELECTION GUIDE

- (1) Inductance is measured by LCR-meter 4284A (HP) or equivalent.
 (2) DC Resistance is measured by Digital Multimeter TR6871 (Advantest) or equivalent.

- (3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).

TYPE D106C

TOKO Part Number	Inductance (μH) ⁽¹⁾	Tolerance (%)	DC Resistance (m Ω) max. ⁽²⁾	Rated DC Current (A) max. ⁽³⁾
962BS-R56N=P3	0.56	$\pm 30\%$	2.8	15.0
962BS-1R0N=P3	1.0	$\pm 30\%$	3.8	13.0
962BS-1R6M=P3	1.6	$\pm 20\%$	6.6	10.0
962BS-2R4M=P3	2.4	$\pm 20\%$	7.7	9.4
962BS-3R3M=P3	3.3	$\pm 20\%$	9.0	8.6
962BS-4R3M=P3	4.3	$\pm 20\%$	11	7.5
962BS-5R6M=P3	5.6	$\pm 20\%$	12	6.9
962BS-6R8M=P3	6.8	$\pm 20\%$	17	5.9
962BS-8R2M=P3	8.2	$\pm 20\%$	20	5.4

Note: =P3 is added to each part number to indicate tape and reel packaging.



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