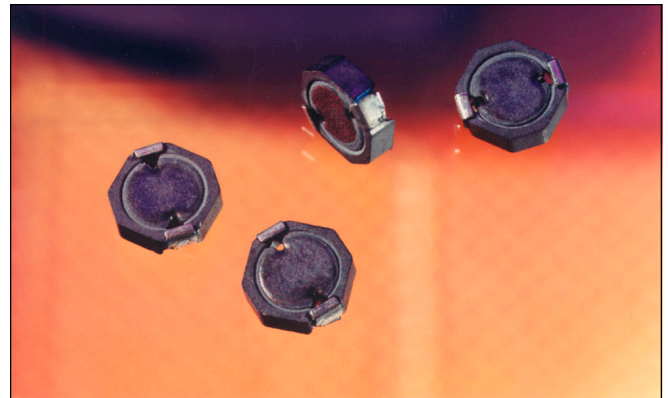


TYPE D518LC

Inductance Range: 1.2 - 47 μ H
Frequency Range: 0.1 - 1MHz



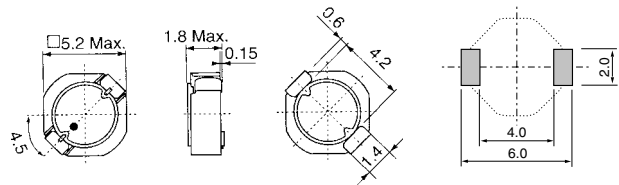
Description

The TOKO D518LC Series is a low profile surface mount fixed inductor with a maximum height of 1.8mm. The product is specifically designed for space constrained DC-DC converter applications in portable platforms including wireless handsets, PDA's, and consumer electronics.

Features

- 5.0mm x 5.0mm footprint (± 0.2 mm)
- 1.8mm maximum height
- Magnetically shielded
- Reflow solderable
- Packaged on 2000 piece reels
- Lead-free terminations

Dimensions & Recommended Patterns:



Unit: mm

STANDARD PARTS SELECTION GUIDE

- (1) Inductance is measured by LCR-meter 4284A (Agilent) or equivalent.
- (2) DC resistance is measured by Digital Multimeter TR6871 (Advantest) or equivalent.
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).

TYPE D518LC

TOKO Part Number	Inductance ⁽¹⁾ (μ H)	Tolerance (%)	DC ⁽²⁾ Resistance (Ω) max.	Rated ⁽³⁾ DC Current (A) max.
#A960AW-1R2M=P3	1.2	± 20	0.046	1.8
#A960AW-1R8M=P3	1.8	± 20	0.054	1.6
#A960AW-2R3M=P3	2.3	± 20	0.063	1.5
#A960AW-3R6M=P3	3.6	± 20	0.082	1.2
#A960AW-4R3M=P3	4.3	± 20	0.092	1.1
#A960AW-5R1M=P3	5.1	± 20	0.105	1.0
#A960AW-6R8M=P3	6.8	± 20	0.130	0.94
#A960AW-100M=P3	10	± 20	0.180	0.80
#A960AW-150M=P3	15	± 20	0.270	0.64
#A960AW-180M=P3	18	± 20	0.320	0.56
#A960AW-220M=P3	22	± 20	0.450	0.49
#A960AW-330M=P3	33	± 20	0.640	0.41
#A960AW-470M=P3	47	± 20	0.930	0.33

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



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