

TYPE DJ515C

Inductance Range: 4.7 - 100 μ H
Frequency Range: 0.1 - 1MHz



Description

The TOKO DJ515C Series is a low profile surface mount fixed inductor with a maximum height of 1.5mm. The product is magnetically shielded and designed for space constrained DC-DC converter applications in portable platforms including wireless handsets, PDA's, and consumer electronics.

Features

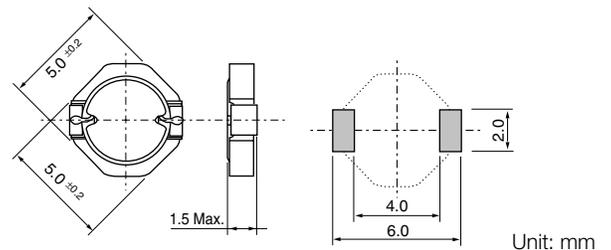
- 5.0mm x 5.0mm footprint (± 0.2 mm)
- 1.5mm maximum height
- Magnetically shielded
- Reflow solderable
- Packaged on 2000 piece reels
- Lead-free terminations

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).



Dimensions & Recommended Patterns:



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TOKO Part Number	Inductance ⁽¹⁾ (μ H)	Tolerance (%)	DC ⁽²⁾ Resistance (Ω) max.	Inductance ⁽³⁾ Decrease Current -30% (A) max.	Temperature ⁽³⁾ Rise Current +40°C Δ T (A) max.
A994AY-4R7M=P3	4.7	± 20	0.12	0.83	0.95
A994AY-6R8M=P3	6.8	± 20	0.16	0.66	0.80
A994AY-8R2M=P3	8.2	± 20	0.20	0.64	0.79
A994AY-100M=P3	10	± 20	0.23	0.57	0.78
A994AY-150M=P3	15	± 20	0.36	0.44	0.57
A994AY-220M=P3	22	± 20	0.54	0.37	0.46
A994AY-270M=P3	27	± 20	0.65	0.33	0.40
A994AY-330M=P3	33	± 20	0.76	0.30	0.37
A994AY-470M=P3	47	± 20	1.12	0.27	0.30
A994AY-101M=P3	100	± 20	2.54	0.18	0.19

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



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