

Power Inductors

Surface Mount

ADO105A Series

ADO105A



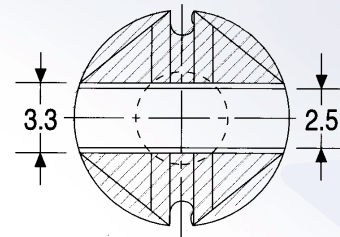
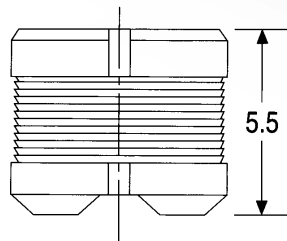
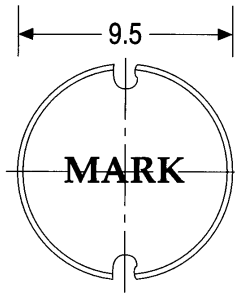
FEATURES

- Surface mountable device.
- Low Profile.
- Excellent performance & cost effective.
- Tape & Reel for auto-placement.
- Applicable for DC-DC converter.

BENEFITS

- Frequency Range: 0.1 ~ 10 MHz
- Inductance Range: 8.2 ~ 820 μ H
- Tested: * KHz and 0.05V
- Operating Temperature Range: -40°C to +85°C
- Inductance: measured by HP 4194A, impedance and gain phase analyzer
- Inductance Drop: 10% at rated current

UNIT DIMENSION (unit: mm)



tolerance : ± 0.2

STANDARD SPECIFICATIONS

PART NUMBER	INDUCTANCE (μ H)	FREQUENCY* (KHz)	DC RESISTANCE (Ω) max.	RATED CURRENT (A) max.
ADO105A-822 □	8.2 $\pm 20\%$	7960	0.05	2.20
ADO105A-103 □	10 $\pm 20\%$	2520	0.06	2.10
ADO105A-123 □	12 $\pm 20\%$	2520	0.07	2.07
ADO105A-153 □	15 $\pm 20\%$	2520	0.08	2.04
ADO105A-183 □	18 $\pm 20\%$	2520	0.09	2.01
ADO105A-223 □	22 $\pm 20\%$	2520	0.10	1.96
ADO105A-273 □	27 $\pm 20\%$	2520	0.11	1.76
ADO105A-333 □	33 $\pm 10\%$	2520	0.13	2.00
ADO105A-393 □	39 $\pm 10\%$	2520	0.14	1.37
ADO105A-473 □	47 $\pm 10\%$	2520	0.17	1.28
ADO105A-683 □	68 $\pm 10\%$	2520	0.22	1.11
ADO105A-823 □	82 $\pm 10\%$	2520	0.25	1.00
ADO105A-104 □	100 $\pm 10\%$	1	0.35	0.97
ADO105A-124 □	120 $\pm 10\%$	1	0.41	0.89
ADO105A-154 □	150 $\pm 10\%$	1	0.47	0.79
ADO105A-224 □	220 $\pm 10\%$	1	0.73	0.66
ADO105A-274 □	270 $\pm 10\%$	1	0.97	0.57
ADO105A-334 □	330 $\pm 10\%$	1	1.15	0.52
ADO105A-394 □	390 $\pm 10\%$	1	1.30	0.48
ADO105A-474 □	470 $\pm 10\%$	1	1.48	0.42
ADO105A-564 □	560 $\pm 10\%$	1	1.90	0.34
ADO105A-684 □	680 $\pm 10\%$	1	2.25	0.28
ADO105A-824 □	820 $\pm 10\%$	1	2.55	0.24

XTAL

OSC

VCXO
VCO

TCXO
VCTCXO

FLTR

RES

IND