

Power Inductors

Surface Mount

ADO54A Series

XTAL

OSC

VCXO
VCO

TCXO
VCTCXO

FLTR

RES

IND

ADO54A

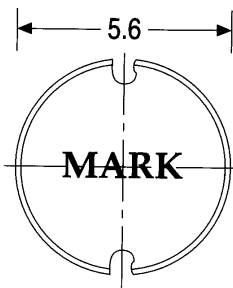


FEATURES

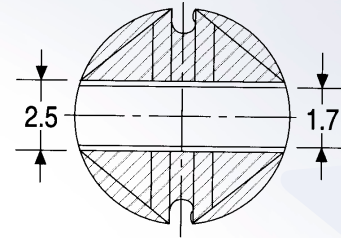
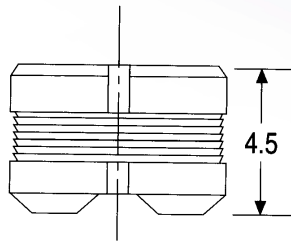
- Surface mountable device.
- Low Profile.
- Excellent performance & cost effective.
- Tape & Reel for auto-placement.
- Applicable for DC-DC converter.

BENEFITS

Frequency Range: 0.1 ~ 10 MHz
 Inductance Range: 10 ~ 1000 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

PACKAGE TYPE	INDUCTANCE (μ H)	FREQUENCY* (KHz)	DC RESISTANCE (Ω) max.	RATED CURRENT (A) max.
ADO54A-103□	10 $\pm 20\%$	2520	0.110	1.40
ADO54A-123□	12 $\pm 20\%$	2520	0.130	1.35
ADO54A-153□	15 $\pm 20\%$	2520	0.150	1.25
ADO54A-183□	18 $\pm 20\%$	2520	0.170	1.20
ADO54A-223□	22 $\pm 20\%$	2520	0.200	1.00
ADO54A-273□	27 $\pm 20\%$	2520	0.220	0.95
ADO54A-333□	33 $\pm 10\%$	2520	0.25	0.80
ADO54A-393□	39 $\pm 10\%$	2520	0.35	0.75
ADO54A-473□	47 $\pm 10\%$	2520	0.40	0.65
ADO54A-563□	56 $\pm 10\%$	2520	0.42	0.60
ADO54A-683□	68 $\pm 10\%$	2520	0.48	0.57
ADO54A-823□	82 $\pm 10\%$	2520	0.65	0.53
ADO54A-104□	100 $\pm 10\%$	1	0.75	0.49
ADO54A-124□	120 $\pm 10\%$	1	1.00	0.45
ADO54A-154□	150 $\pm 10\%$	1	1.20	0.38
ADO54A-184□	180 $\pm 10\%$	1	1.50	0.35
ADO54A-224□	220 $\pm 10\%$	1	1.65	0.30
ADO54A-334□	330 $\pm 10\%$	1	2.10	0.27
ADO54A-474□	470 $\pm 10\%$	1	2.90	0.25
ADO54A-684□	680 $\pm 10\%$	1	3.50	0.22
ADO54A-105□	1000 $\pm 10\%$	1	5.70	0.18

