

Power Inductors

Surface Mount

ADS125A Series

XTAL

OSC

VCXO
VCO

TCXO
VCTCXO

FLTR

RES

IND

ADS125A



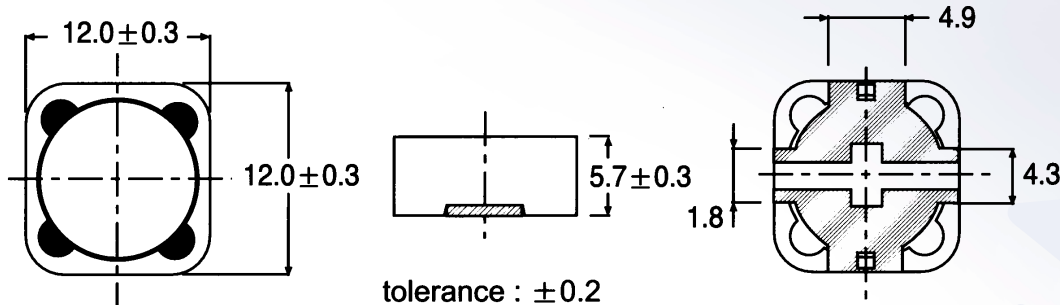
FEATURES

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

BENEFITS

Frequency Range: 1 KHz ~ 7.96 MHz
 Inductance Range: 1.3uH ~ 1.0 mH
 Measuring Frequency: 1.3 ~ 7.5uH at 7.96MHz,
 10uH ~ 1.0mH at 1KHz
 Operating Temperature Range: -40°C to +80°C
 Inductance measured by HP 4194A, impedance and gain phase analyzer
 Inductance Drop 20% at rated current

UNIT DIMENSION (unit: mm)



STANDARD SPECIFICATIONS

PACKAGE TYPE	INDUCTANCE (uH ±20%)	DC RESISTANCE (mΩ) max.	RATED CURRENT (A) max.
ADS125A-132 □	1.3	12.0	8.00
ADS125A-212 □	2.1	14.0	7.00
ADS125A-312 □	3.1	17.0	6.00
ADS125A-442 □	4.4	20.0	5.00
ADS125A-582 □	5.8	21.0	4.40
ADS125A-752 □	7.5	24.0	4.20
ADS125A-103 □	10	25.0	4.00
ADS125A-123 □	12	27.0	3.50
ADS125A-153 □	15	30.0	3.30
ADS125A-183 □	18	34.0	3.00
ADS125A-223 □	22	36.0	2.80
ADS125A-273 □	27	51.0	2.30
ADS125A-333 □	33	57.0	2.10
ADS125A-393 □	39	68.0	2.00
ADS125A-473 □	47	75.0	1.80
ADS125A-563 □	56	110	1.70
ADS125A-683 □	68	120	1.50
ADS125A-823 □	82	140	1.40
ADS125A-104 □	100	160	1.30
ADS125A-124 □	120	170	1.10
ADS125A-154 □	150	230	1.00
ADS125A-184 □	180	290	0.90
ADS125A-224 □	220	400	0.80
ADS125A-274 □	270	460	0.75
ADS125A-334 □	330	510	0.68
ADS125A-394 □	390	690	0.65
ADS125A-474 □	470	770	0.58
ADS125A-564 □	560	860	0.54
ADS125A-684 □	680	1200	0.48
ADS125A-824 □	820	1340	0.43
ADS125A-105 □	1000	1530	0.40