

# Power Inductors

Surface Mount

ADS127A Series



## ADS127A



### FEATURES

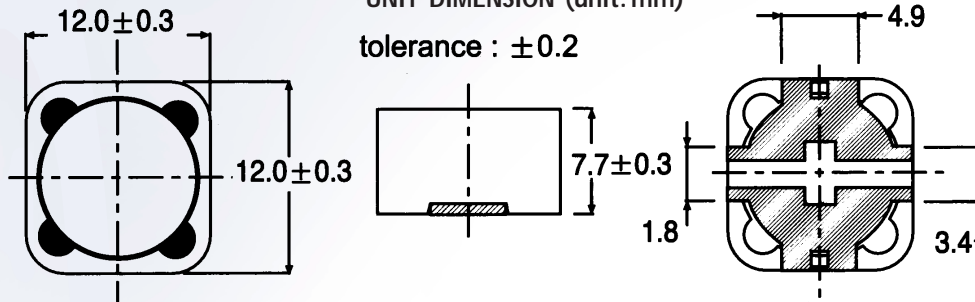
- Surface mountable device.
- Low Profile.
- Excellent performance & cost effective.
- Tape & Reel for auto-placement.
- Applicable for DC-DC converter.

### BENEFITS

Frequency Range: 1 ~ 100 KHz  
 Inductance Range: 1.2  $\mu$ H ~ 1.0 mH  
 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)

tolerance :  $\pm 0.2$



### STANDARD SPECIFICATIONS

PACKAGE TYPE	INDUCTANCE ( $\mu$ H $\pm 20\%$ )	DC RESISTANCE ( $m\Omega$ ) max.	RATED CURRENT (A) max.
ADS127A-102 □	1.2	7.0	9.80
ADS127A-242 □	2.4	11.5	8.00
ADS127A-352 □	3.5	13.5	7.50
ADS127A-472 □	4.7	15.8	6.80
ADS127A-612 □	6.1	17.6	6.60
ADS127A-726 □	7.6	20.0	5.90
ADS127A-103 □	10	21.6	5.40
ADS127A-123 □	12	24.3	4.90
ADS127A-153 □	15	27.0	4.50
ADS127A-183 □	18	39.2	3.90
ADS127A-223 □	22	43.2	3.60
ADS127A-273 □	27	45.9	3.40
ADS127A-333 □	33	64.8	3.00
ADS127A-393 □	39	72.9	2.75
ADS127A-473 □	47	100	2.50
ADS127A-563 □	56	110	2.35
ADS127A-683 □	68	140	2.10
ADS127A-823 □	82	160	1.95
ADS127A-104 □	100	220	1.70
ADS127A-124 □	120	250	1.60
ADS127A-154 □	150	280	1.42
ADS127A-184 □	180	350	1.30
ADS127A-224 □	220	390	1.16
ADS127A-274 □	270	560	1.06
ADS127A-334 □	330	640	0.95
ADS127A-394 □	390	700	0.88
ADS127A-474 □	470	980	0.79
ADS127A-564 □	560	1070	0.73
ADS127A-684 □	680	1460	0.67
ADS127A-824 □	820	1640	0.60
ADS127A-105 □	1000	1820	0.55