

# Power Inductors

Surface Mount

ADO3316PA Series

## ADO3316PA



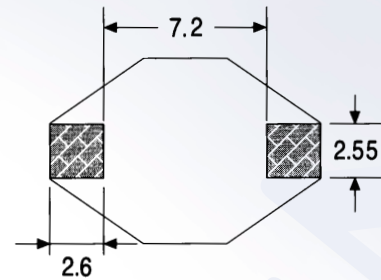
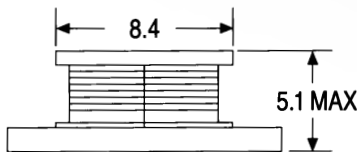
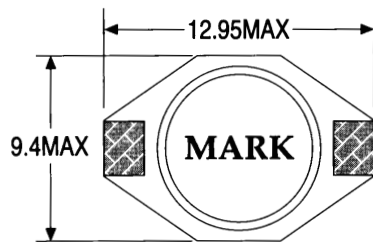
### FEATURES

- 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: 1.0 ~ 1000  $\mu$ H  
 Tested: 100 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 :  $\pm 0.2$

### STANDARD SPECIFICATIONS

PACKAGE TYPE	INDUCTANCE ( $\mu$ H $\pm 20\%$ )	DC RESISTANCE ( $\Omega$ ) max.	RATED CURRENT (A) max.
ADO3316PA-102□	1.0	0.009	9.0
ADO3316PA-152□	1.5	0.010	8.0
ADO3316PA-222□	2.2	0.012	7.0
ADO3316PA-332□	3.3	0.015	6.0
ADO3316PA-472□	4.7	0.018	4.9
ADO3316PA-682□	6.8	0.027	4.1
ADO3316PA-103□	10	0.038	3.3
ADO3316PA-153□	15	0.046	2.7
ADO3316PA-223□	22	0.085	2.3
ADO3316PA-333□	33	0.100	1.8
ADO3316PA-473□	47	0.140	1.6
ADO3316PA-683□	68	0.200	1.3
ADO3316PA-104□	100	0.280	1.10
ADO3316PA-154□	150	0.400	0.90
ADO3316PA-224□	220	0.610	0.70
ADO3316PA-334□	330	1.020	0.60
ADO3316PA-474□	470	1.270	0.45
ADO3316PA-684□	680	2.020	0.40
ADO3316PA-105□	1000	3.000	0.30

XTAL

OSC

VCXO  
VCO

TCXO  
VCTCXO

FLTR

RES

IND