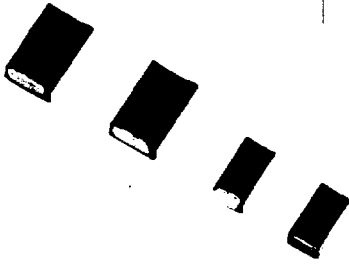


# CHIP INDUCTORS

## SURFACE MOUNT CHIP INDUCTORS

### LQP11A/21A SERIES



The LQP Series is comprised of chip coils with a tight inductance tolerance,  $\pm 2\%$ , achieved in a small chip area. Murata achieves this by forming the coil with precision film technology. This coil is excellent in the high-frequency circuits of telecommunication equipment.

- High SRF due to low stray capacitance provides stable inductance in high frequency circuits.
- External electrodes with nickel barrier structure provide excellent solder heat resistance.

#### FEATURES

- Tight tolerance enables assembly without tuning.

#### DIMENSIONS: mm

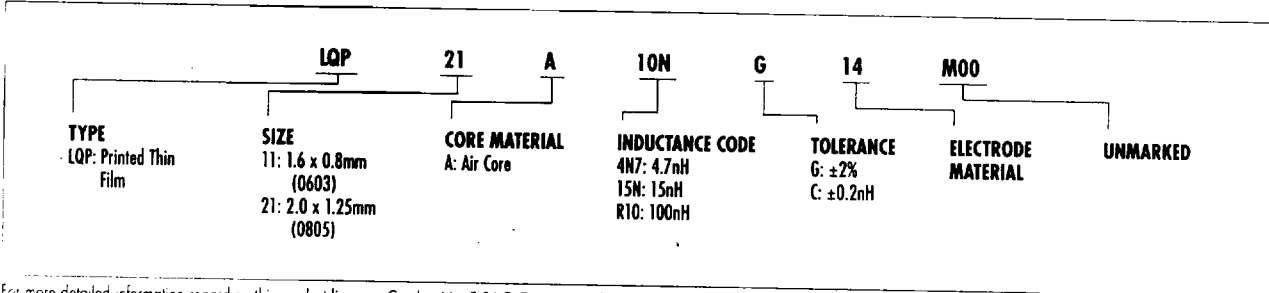
Part Number	Dimensions (mm)
0603	
0805	

CHIP INDUCTORS

#### SPECIFICATIONS

Part Number	Inductance			Q			DC Resistance ( $\Omega$ max.)	Self-resonant Frequency (MHz min.)	Allowable Current (mA)	Operating Temp. Range
	Nominal Value (nH)	Tolerance	Test Frequency (MHz)	Peak Value (Typ.)	Min. Value	Test Frequency (MHz)				
0603	1.3 ~ 100	$\pm 0.2$ nH	300 ~ 500	21 ~ 160	17	300 ~ 500	0.3 ~ 6.1	700	50 ~ 300	-40°C ~ +85°C
0805	1.5 ~ 100	$\pm 2\%$	300	24 ~ 300	15 ~ 17	300	0.15 ~ 6.0	6000	90 ~ 550	

#### PART NUMBERING SYSTEM



For more detailed information regarding this product line, see Catalog No. E-06-E. To receive additional information on Murata Products call 1-800-831-9172.