

# HIGH CURRENT INDUCTORS

## MODEL NO : PSC-230230 GP SERIES

### FEATURES:

- \* LOW CORE LOSS AND HIGH EFFICIENCY PERFORMANCE.
- \* CLOSE MAGNETIC PATH FOR LOW LEAKAGE FLUX.
- \* HIGH SATURATION CURRENTS.
- \* COMPLIANT WITH RoHS AND HALOGEN FREE



### APPLICATION:

- \* CLASS D AUDIO AMPLIFIERS.
- \* DIGITAL AMPLIFIERS.

### ELECTRICAL SPECIFICATION:

MODEL NO	INDUCTANCE ±20% (uH)	DCR (mΩ)		TEMPERATURE RISE CURRENT (ADC) (NOTE 2)	SATURATION CURRENT (ADC) (NOTE 3)
		TYP	MAX		
PSC-230230-7R0 GP	7.0	5.0	6.06	14	60.0
PSC-230230-100 GP	10	5.0	6.06	14	45.5
PSC-230230-150 GP	15	5.0	6.06	14	30.5
PSC-230230-220 GP	22	5.0	6.06	14	23.5

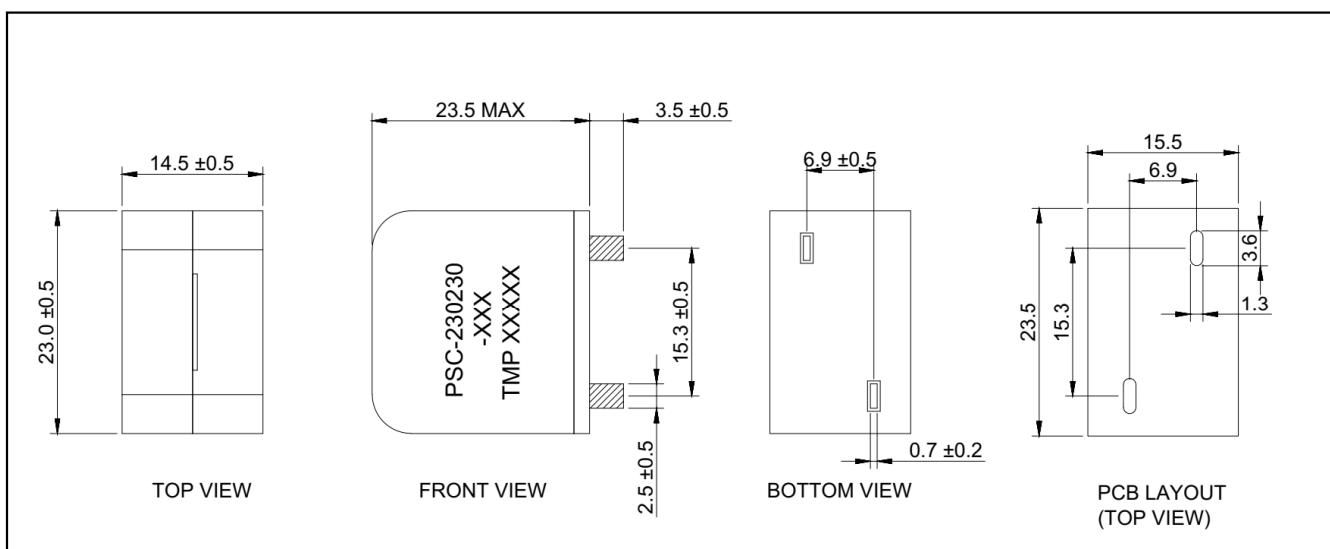
NOTE (1): Test frequency: 100 KHZ ,0.1Vrms.

NOTE (2):  $\Delta T=40^{\circ}\text{C}$  approximately under the temperature rise current.

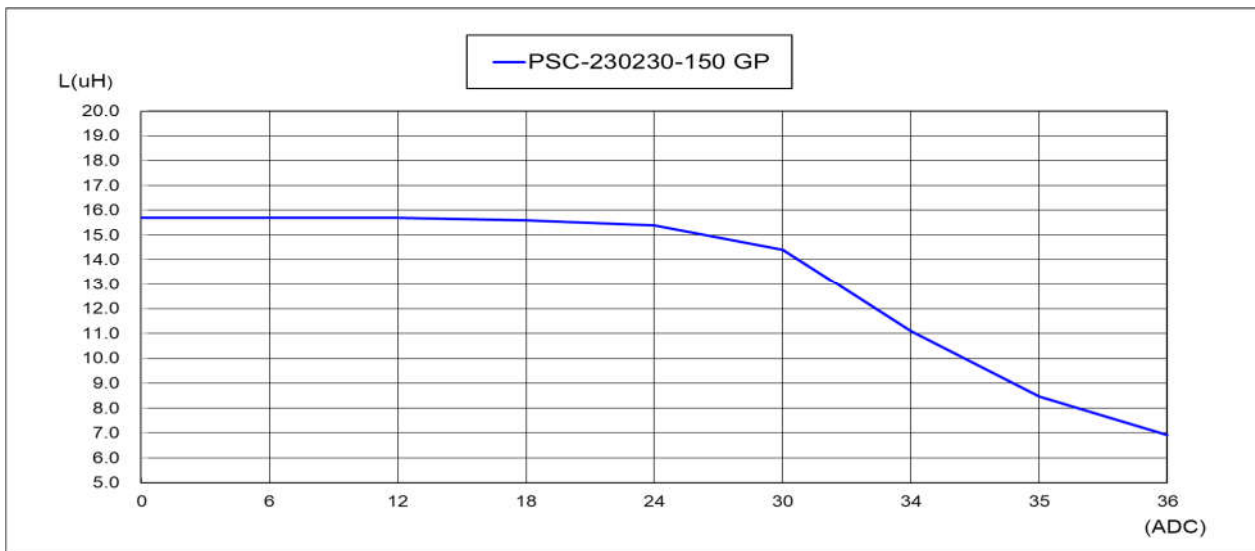
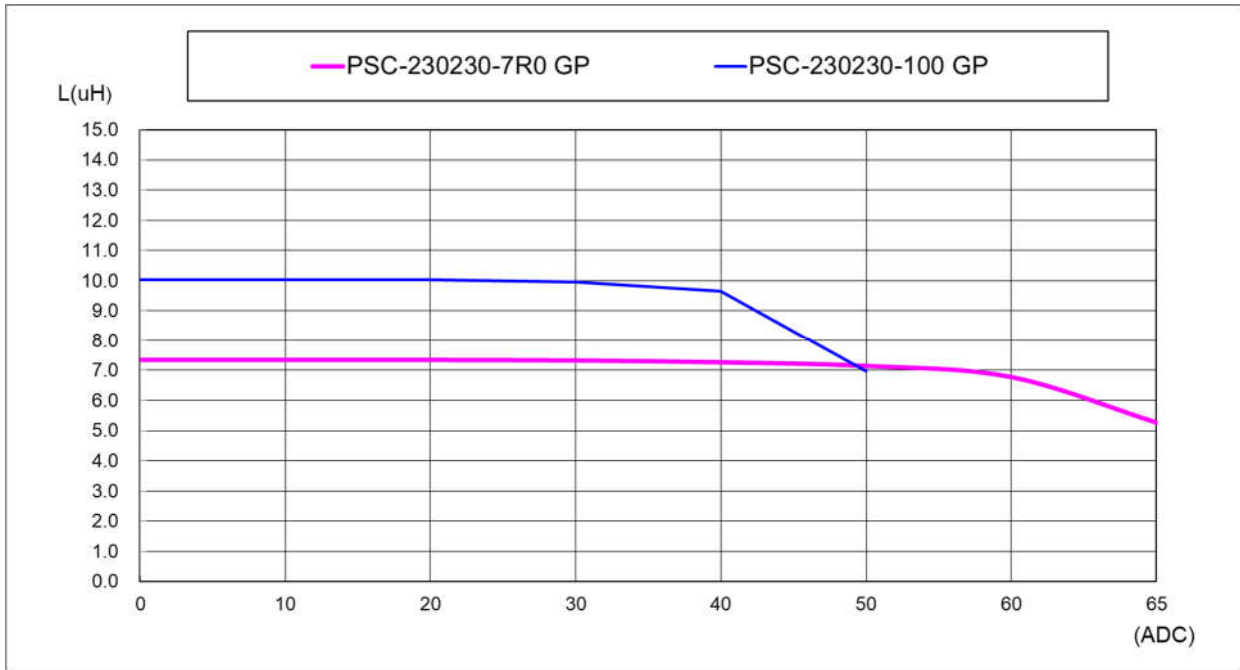
NOTE (3): The saturation current indicates the value of DC current is approximately 25% lower than its initial value of inductance.

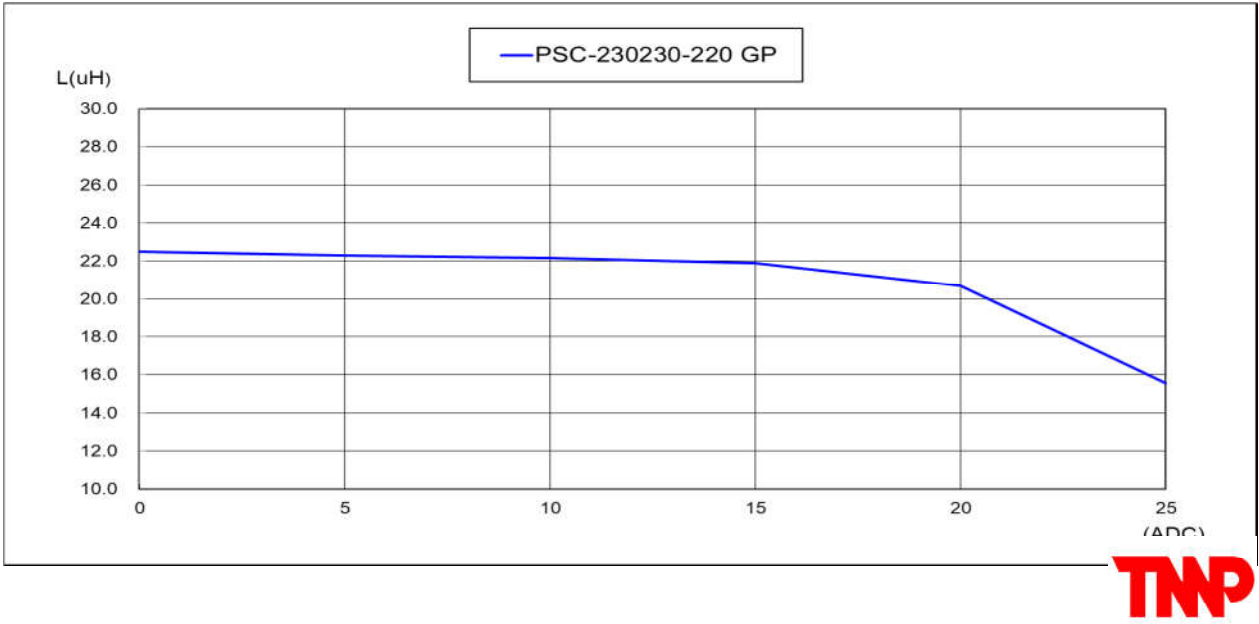
NOTE(4): Operating temperature range:  $-40^{\circ}\text{C}\sim+125^{\circ}\text{C}$ .

### PHYSICAL DIMENSION : (UNIT:mm)



# INDUCTANCE VS DC BIAS:





TEMPERATURE RISE VS DC BIAS :

