HIGH CURRENT INDUCTORS

MODEL NO : PSC-27013 HF SERIES



FEATURES:

* LOW CORE LOSS AND HIGH EFFICIENCY PERFORMANCE.
* CLOSED MAGNETIC FIELD CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY
* COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION:

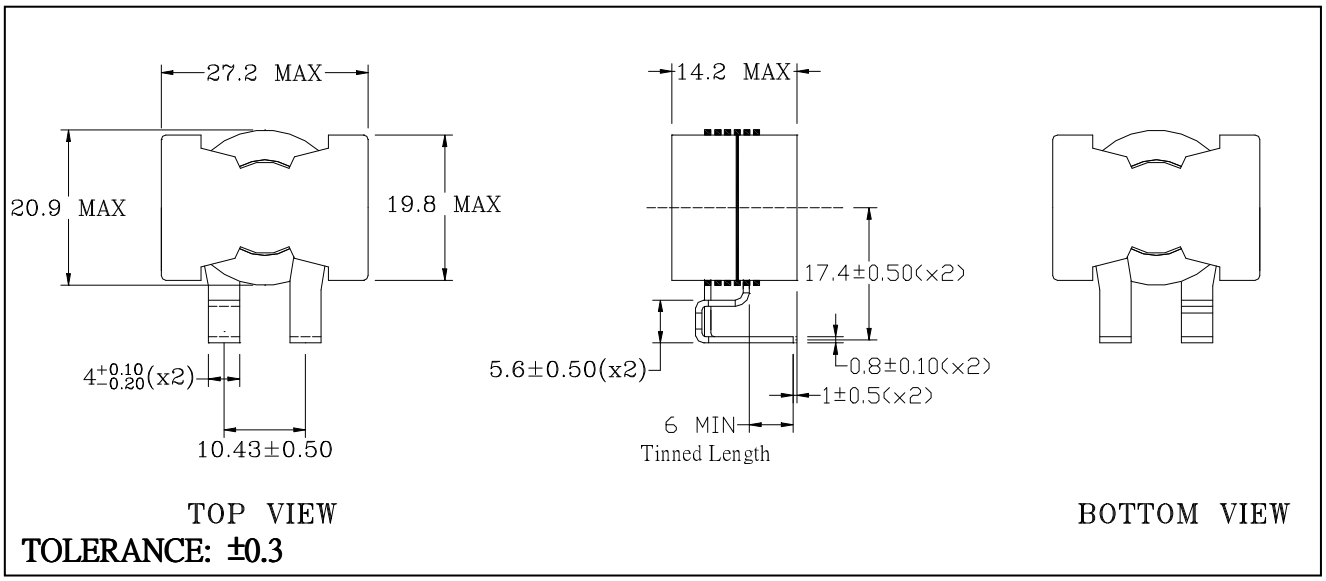
- DC/DC CONVERTER IN POWER REGULATION SYSTEM.
- PV INVERTERS.

ELECTRICAL SPECIFICATION:

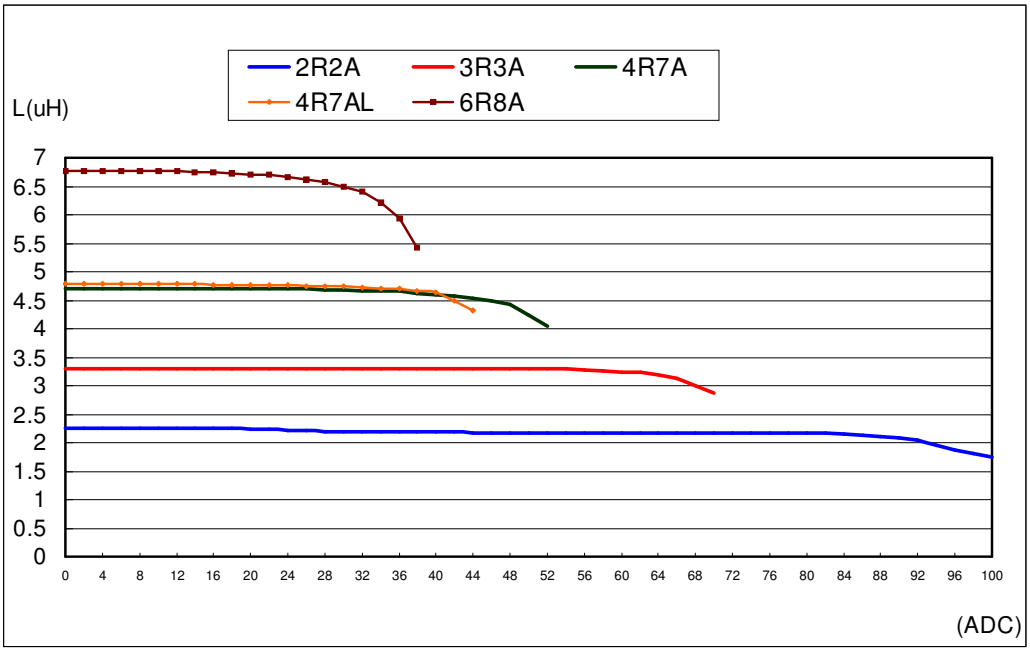
MODEL NO	INDUCTANCE ±10% (uH)	DCR ±10% (mΩ)	TEMPERATURE RISE CURRENT (ADC)	SATURATION CURRENT (ADC) (NOTE 3)
PSC-27013-2R2A HF	2.2	1.83	30	＞100
PSC-27013-2R2AL HF	2.2	1.50	30	84.8
PSC-27013-3R3A HF	3.3	1.83	30	68.4
PSC-27013-3R3AL HF	3.3	1.50	30	57.0
PSC-27013-4R7A HF	4.7	1.83	30	50.1
PSC-27013-4R7AL HF	4.7	1.50	30	39.0
PSC-27013-6R8A HF	6.8	1.83	30	36.2
PSC-27013-6R8AL HF	6.8	1.50	30	27.8
PSC-27013-100A HF	10	1.83	30	23.4
PSC-27013-100AL HF	10	1.50	30	17.6
PSC-27013-150A HF	15	1.83	30	15.2
PSC-27013-150AL HF	15	1.50	30	11.0
PSC-27013-220A HF	22	1.83	30	9.6
PSC-27013-220AL HF	22	1.50	30	6.8
PSC-27013-330A HF	33	1.83	30	5.9
PSC-27013-330AL HF	33	1.50	30	3.3

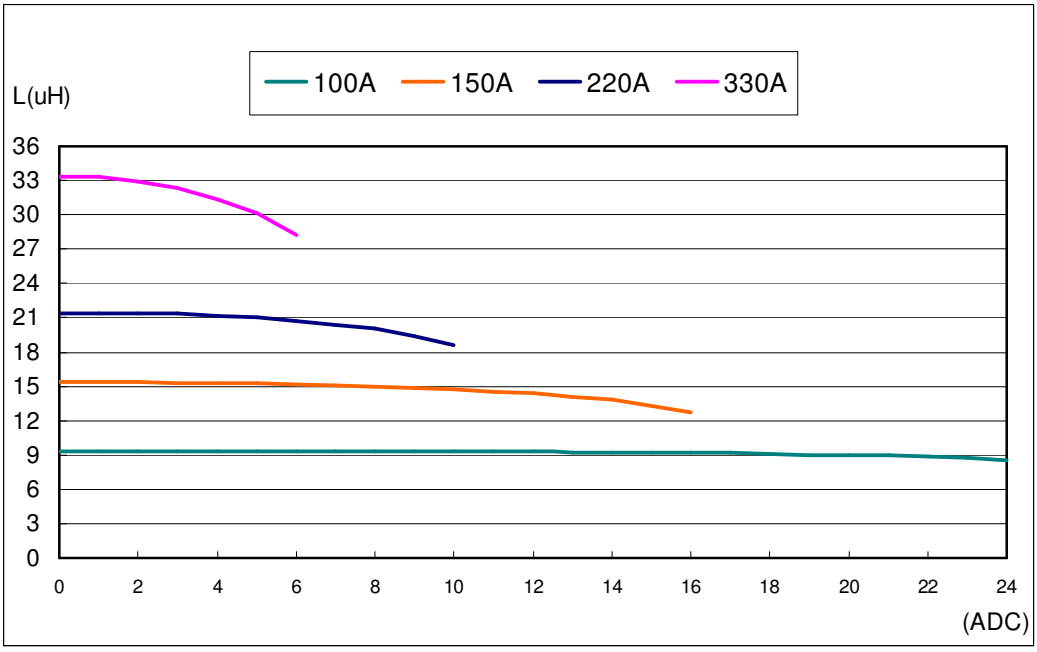
NOTE (1): Test frequency: 500 KHZ ,0.1Vrms.
NOTE (2): ΔT=40℃ approximately under the temperature rise current.
NOTE (3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.
NOTE (4): Operating temperature range: -40℃~ +125℃
NOTE (5): Weight : 31.2 g

PHYSICAL DIMENSION : (UNIT:mm)



INDUCTANCE VS DC BIAS:





TEMPERATURE RISE VS DC BIAS:

