

SMD HIGH CURRENT INDUCTORS

MODEL NO. : SSC-275140 HF SERIES

FEATURES:

- * LOW CORE LOSS AND HIGH EFFICIENCY PERFORMANCE.
- * CLOSE MAGNETIC PATH FOR LOW LEAKAGE FLUX.
- * LOW DCR WITH FLAT WIRE DESIGN.
- * COMPLIANT WITH ROHS AND HALOGEN FREE.



APPLICATION :

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

ELECTRICAL SPECIFICATION:

MODEL NO	INDUCTANCE (uH)±10% @ADC	DCR ±10% (mΩ)	TEMPERATURE RISE CURRENT (ADC) (NOTE2)	SATURATION CURRENT (ADC)	
				@25°C (NOTE 3)	@125°C
SSC-275140-4R7 HF	4.7	1.60	42	60	L@40ADC ≥ 3.7uH

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

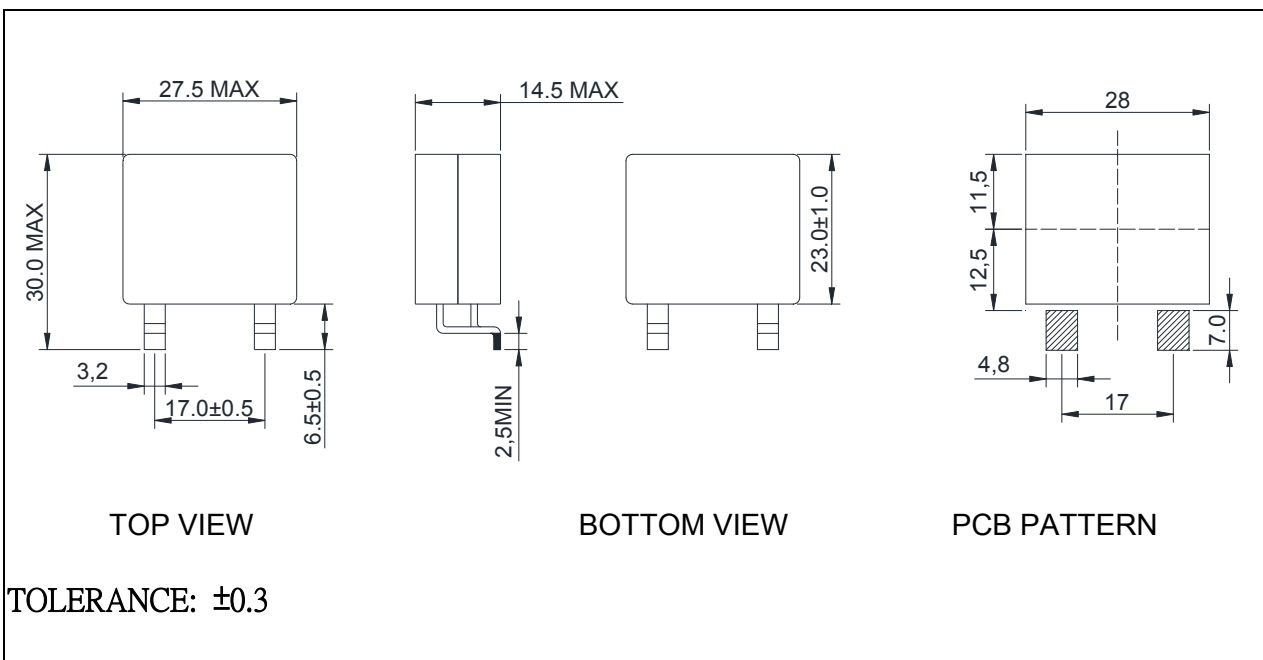
NOTE(2): Δ T=40°C approximately under the temperature rise current

NOTE(3): The saturation current indicates the value of DC current is approximately 30% lower than its initial value of inductance.

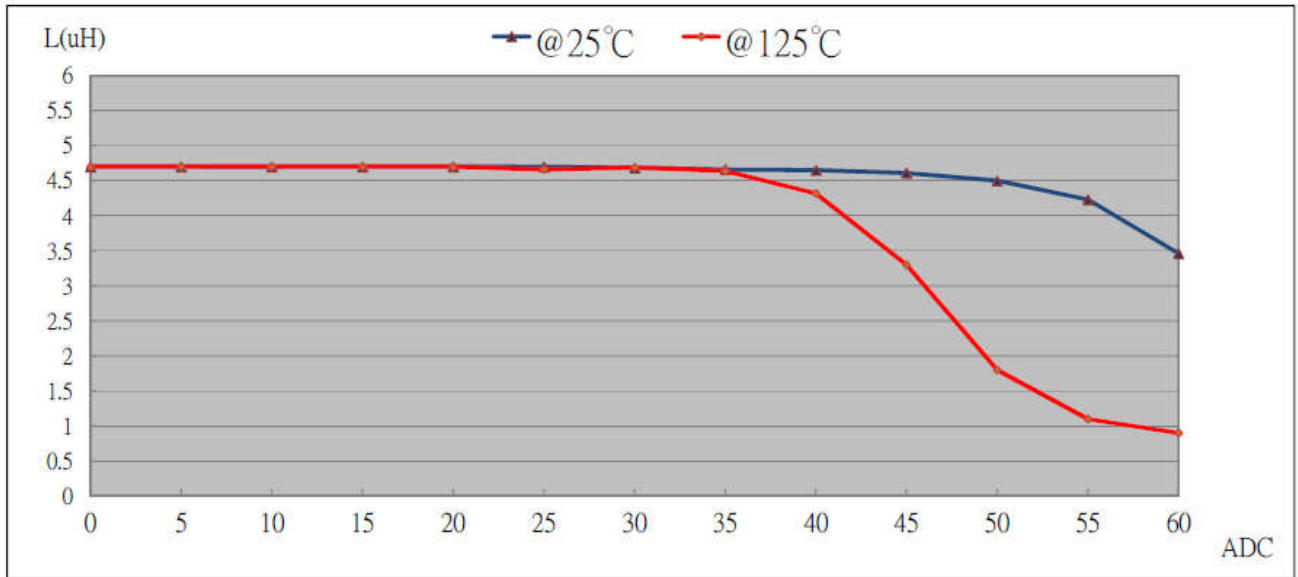
NOTE(4): Operating temperature range: -40°C ~ +125°C

NOTE (5): Weight : 35g / pcs, typical.

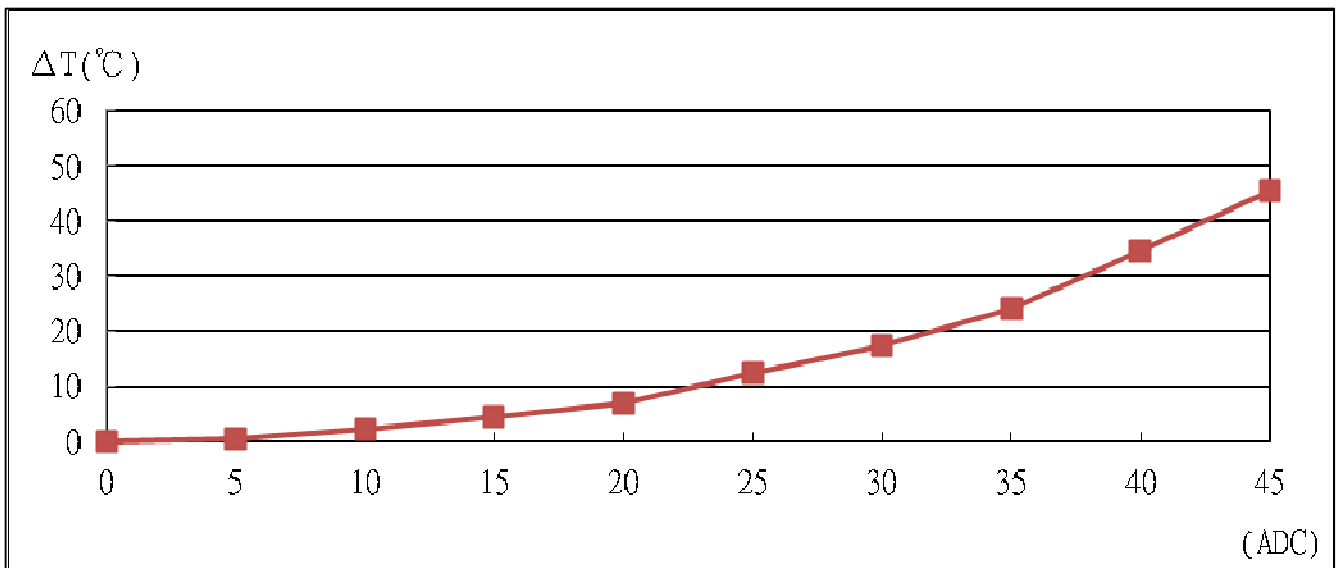
PHYSICAL DIMENSION : (UNIT:mm)



INDUCTANCE vs DC BIAS:



TEMPERATURE RISE vs DC BIAS:



Packaging spec :

1. REEL SIZE & UNITS PER REEL :13",100PCS.
2. TAPE WIDTH:56mm.
3. REEL WIDTH:61mm.
4. COMPONENT PITCH:36mm