SMD
HIGH CURRENT INDUCTORS

MODEL NO. : SSC-10630N2 HF SERIES

FEATURES:

∗ LOW CORE LOSS, HIGH EFFICIENCY PERFORMANCE, HIGH MAGNETIC CHARACTERISTICS.
∗ CLOSED MAGNETIC FIELD CONSTRUCTION FOR HIGH DENSITY BOARD ASSEMBLY .
∗ RIBBON WIRE STRUCTURE.
∗ CUSTOM DESIGNS AVAILABLE.
∗ COMPLIANT WITH RoHS AND HALOGEN FREE.

APPLICATION :

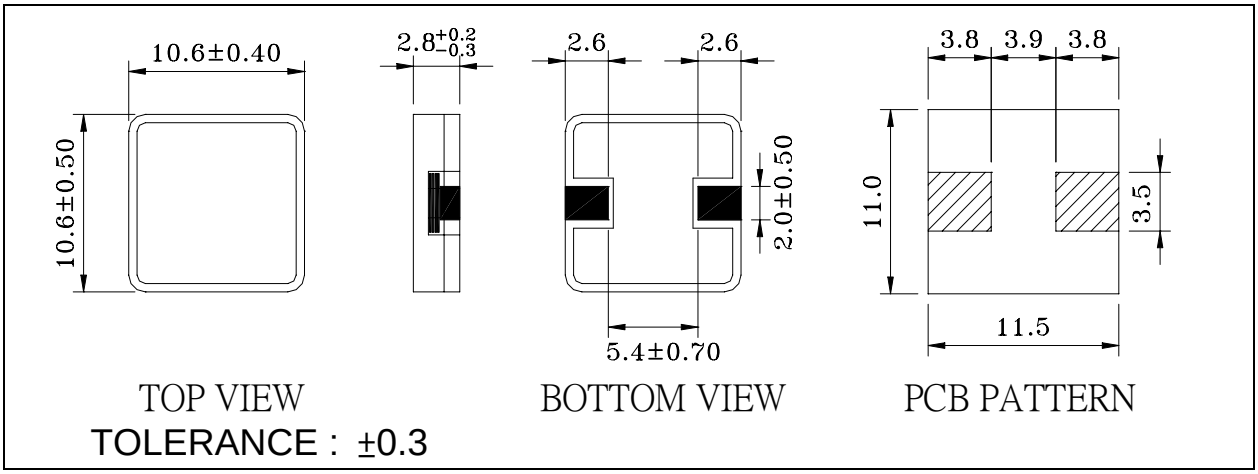
∗ NOTEBOOK COMPUTERS. ∗ VGA CARD.
∗ DC/DC CONVERTER IN POWER REGULATION SYSTEM.

ELECTRICAL SPECIFICATION:

PART NO	INDUCTANCE (μH) ±20% @0ADC	INDUCTANCE (μH) TYP	TEMPERATURE RISE CURRENT (ADC)	INDUCTANCE (μH)Typ	SATURATION CURRENT (ADC) (NOTE 3)	DCR ±10% (mΩ)
SSC-10630N2-R20 HF	0.20±30%	0.185	26.0	0.18	28.0	0.79
SSC-10630N2-R35 HF	0.35±30%	0.32	17.0	0.30	20.0	2.20
SSC-10630N2-R56 HF	0.56	0.45	19.0	0.44	20.0	2.20
SSC-10630N2-R68 HF	0.68	0.57	12.5	0.54	14.5	5.10
SSC-10630N2-1R0 HF	1.00	0.85	12.5	0.80	14.5	5.10
SSC-10630N2-1R2 HF	1.20	0.90	11.0	0.92	10.0	6.70
SSC-10630N2-1R6 HF	1.65	1.38	11.0	1.32	13.0	6.70
SSC-10630N2-2R2 HF	2.20	2.00	8.00	1.85	10.5	11.5

NOTE(1): Test frequency: 100 KHZ,1Vrms.
NOTE(2): ΔT=40℃ approximately under the temperature rise current.
NOTE(3): The saturation current indicates the value of DC current is approximately 20% lower than its initial value of inductance.
NOTE(4): Operating temperature range: -40℃~ +150℃

PHYSICAL DIMENSION : (UNIT:mm)



TOLERANCE : ±0.3

PACKAGING SPEC:

1. REEL SIZE & UNITS PER REEL :13”,800PCS.
2. TAPE WIDTH:24mm.
3. REEL WIDTH:29.5mm.
4. COMPONENT PITCH:16mm