

Electrical / Environmental

HM64



Micropower Low Profile Surface Mount Inductors

- Operating Temperature Range -40°C to +125°C

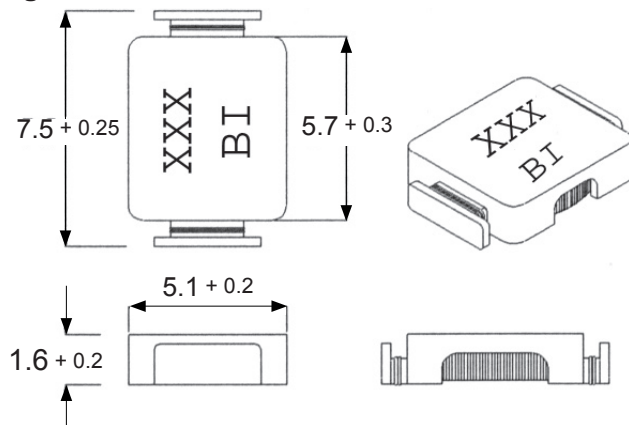
Specifications @ 25°C

Part Number	Inductance		Rated ⁽¹⁾ DC Current Amps	I _{sat} ⁽²⁾ Amps	DC Resistance Ω Max.
	@ 100kHz, 0.1 V RMS Zero DC (μH ±20%)	with DC (μH Min.)			
HM64-101R0LF	1.0	0.80	1.67	2.1	0.103
HM64-102R2LF	2.2	1.60	1.40	1.4	0.130
HM64-104R7LF	4.7	3.22	0.98	1.0	0.180
HM64-10100LF	10.0	6.96	0.67	0.68	0.240
HM64-10150LF	15.0	10.71	0.54	0.54	0.330
HM64-10220LF	22.0	15.26	0.45	0.45	0.360
HM64-10330LF	33.0	23.59	0.37	0.37	0.550
HM64-10470LF	47.0	32.48	0.31	0.31	0.850

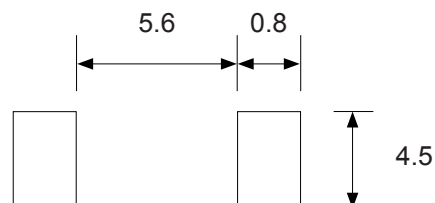
- Notes: (1) Rated DC current is the approximate current at which inductance will be decreased by 30% from its initial (zero DC) value or the DC current at which $\Delta T = 40^\circ\text{C}$, whichever is lower.
 (2) Peak Current (I_{sat}) for approximately 30% inductance roll-off.

Outline Dimensions (mm)

Figure 1



Recommended Solder Pad Layout



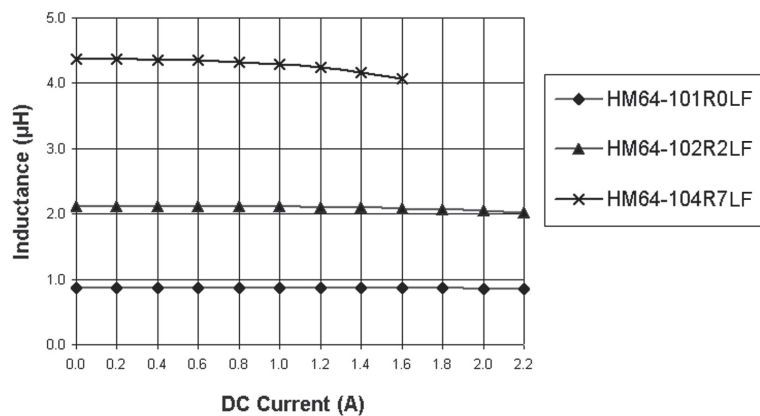
Packaging

Standard: Embossed Tape & Reel

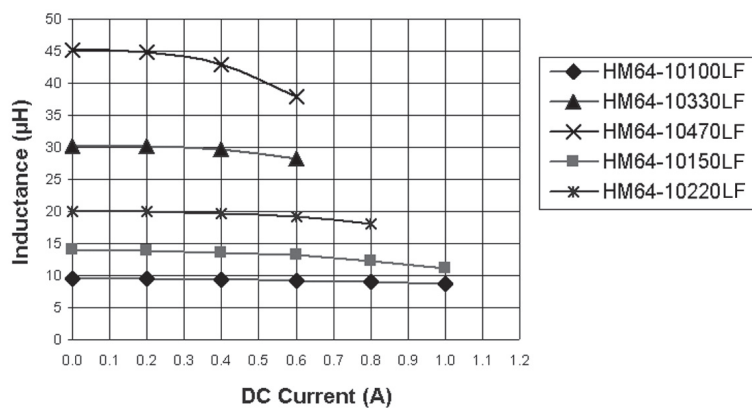
Reel:	Diameter:	=	7" (177.8mm)
	Capacity:	=	500 Units

Electrical Characteristics @ 25°C

HM64-10XXXLF (Below 10 μ H)
Inductance vs. Current Characteristics



HM64-10XXXLF (10 μ H & Above)
Inductance vs. Current Characteristics



Ordering Information

