

# MODEL HM64 SERIES

Micropower

Low Profile

Surface Mount Inductors

NEW PRODUCT



## FEATURES AND BENEFITS

- Lowest profile for portable platforms
- Closed magnetic circuit for lowest EMI
- Low DCR and higher efficiency
- Operating frequency up to 2 MHz
- Inductance range of 1 to 47  $\mu$ H
- Up to 1.67 amps continuous
- Compatible with vapor phase and IR reflow soldering

## APPLICATIONS

- Wireless and handheld devices
- PCMCIA cards and disk drives
- Inductor for general purpose use

## ELECTRICAL / ENVIRONMENTAL

Operating Temperature Range	-25°C to +125°C
Storage Temperature Range	-40°C to +85°C
Ambient Temperature, Maximum	80°C
Insulation System	Class F, 155°C

Specifications subject to change without notice.

6

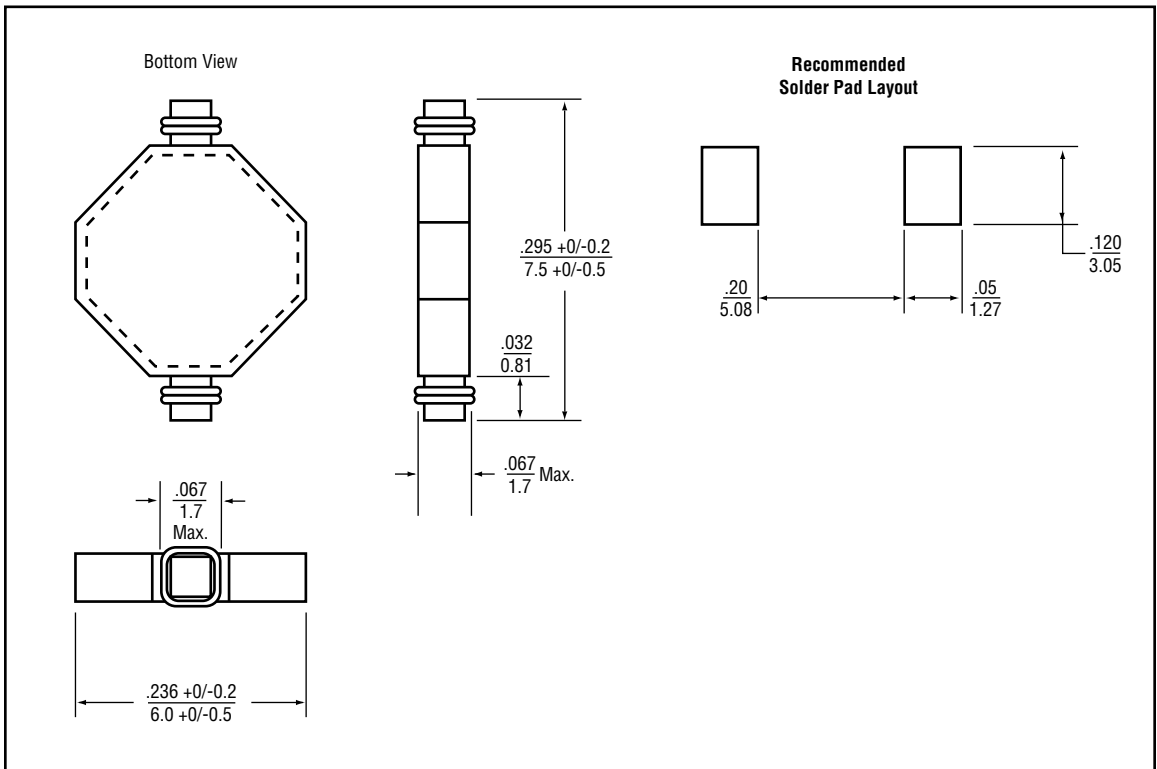
## SPECIFICATIONS

Part Number	Inductance		Rated <sup>(1)</sup>	I <sub>SAT</sub> <sup>(2)</sup> Amps	DC Resistance Ω Max.
	@100kHz, 0.1 V RMS Zero DC (μH±20%)	with DC (Min.)	DC Current Amps		
HM64-101R0	1.0	0.80	1.67	2.1	0.103
HM64-102R2	2.2	1.60	1.40	1.4	0.130
HM64-104R7	4.7	3.22	0.98	1.0	0.180
HM64-10100	10.0	6.96	0.67	0.68	0.240
HM64-10150	15.0	10.71	0.54	0.54	0.330
HM64-10220	22.0	15.26	0.45	0.45	0.360
HM64-10330	33.0	23.59	0.36	0.37	0.550
HM64-10470	47.0	32.48	0.31	0.31	0.850

Notes: (1) Rated DC Current is the approximately current at which inductance will be decreased by 30% from it's initial (zero DC) value or the DC current at which ΔT = 40°C, whichever is lower.

(2) Peak Current (I<sub>SAT</sub>) for approximately 30% inductance roll-off.

## OUTLINE DIMENSIONS (Inch/mm)



## PACKAGING

**Standard:** Embossed Tape & Reel

Reel: Diameter	=	13" (330.2mm)
Capacity, Units	=	3,900

## ORDERING INFORMATION

