

## Electrical / Environmental

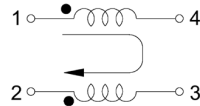
- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum 85°C
- Temperature Rise, Maximum 40°C
- Dielectric Withstanding Voltage 300Vdc

# HM67

Surface Mount Common Mode Chokes



## Schematic



## Specifications

Part Number	Terminals	Common Mode Inductance	Inductance Leakage	Rated Current mA	DCR <sup>(2)</sup>	Marking Code	Figure
		@100 kHz - 0.1 V (1-4 or 2-3) µH	@100 kHz - 0.1 Vrms (1-4) <sup>(1)</sup> Typ. µH		Max. Ω		
HM67-B5R0LF	1-4, 2-3	5.0 ± 30%	0.08	1000	0.12	A	1
HM67-B110LF	1-4, 2-3	11.0 ± 30%	0.10	500	0.15	B	1
HM67-S250LF	1-4, 2-3	25.0 ± 30%	1.60	500	0.18	C	1
HM67-B510LF	1-4, 2-3	51.0 ± 30%	1.90	500	0.10	D	1
HM67-S510LF	1-4, 2-3	51.0 ± 30%	2.80	500	0.25	E	1
HM67-B471LF	1-4, 2-3	470.0 ± 30%	0.80	500	0.28	F	1
HM67-B102 <sup>(3)</sup> LF	1-4, 2-3	1000.0 +50%, -30%	0.16	500	0.30	G	1
HM67-B222 <sup>(3)</sup> LF	1-4, 2-3	2200.0 +50%, -30%	0.16	400	0.42	H	1
HM67-B472 <sup>(3)</sup> LF	1-4, 2-3	4700.0 +50%, -30%	0.24	200	0.67	I	1
HM67-10510LF	1-4, 2-3	51.0 ± 30% <sup>(4)</sup>	2.40 <sup>(4)</sup>	200	0.403	0510	2

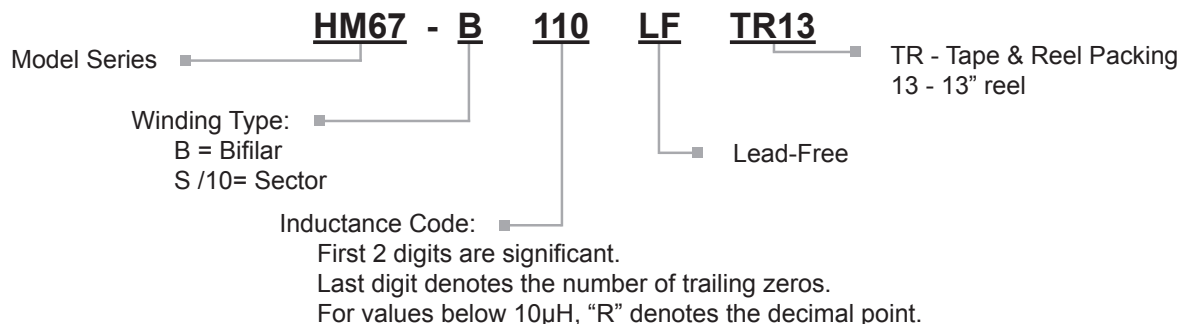
- Notes: (1) Leakage inductance is measured with pin 2 & 3 shorted.  
 (2) DC resistance is measured at 25°C.  
 (3) Maximum operating temperature is +85°C.  
 (4) Common mode inductance & leakage inductance of HM67-10510LF are measured at 100 kHz, 0.05V

## Packaging

**Standard:** Embossed Tape & Reel

Reel:	Diameter:	Figure 1 & 2	=	13" (330.2mm)
	Capacity:	Figure 1	=	400 Units
		Figure 2	=	2000 Units

## Ordering Information



## Outline Dimensions (Inch/mm)

Figure 1

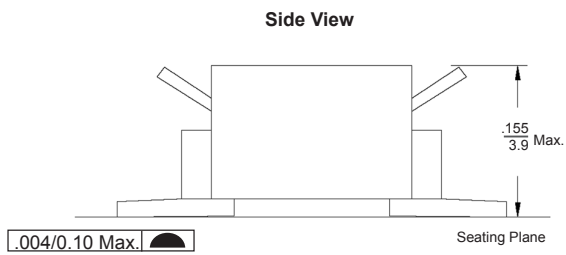
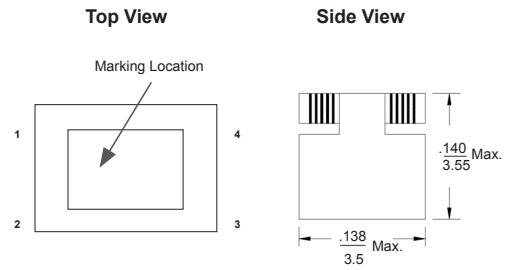
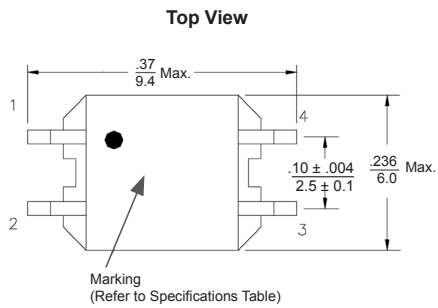
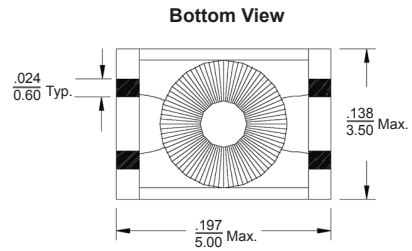
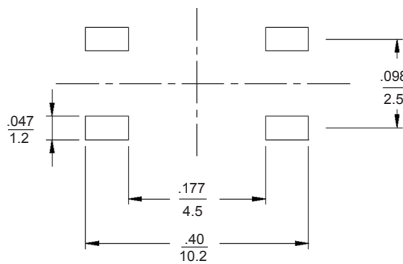


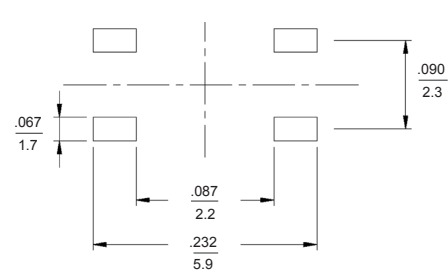
Figure 2



Recommended Solder Pad Layout



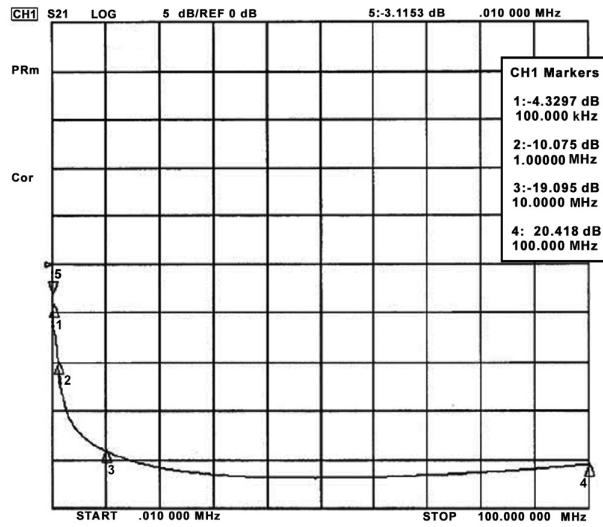
Recommended Solder Pad Layout



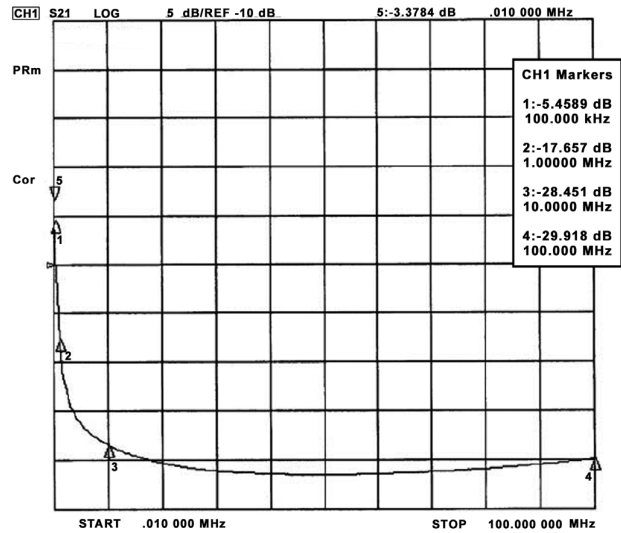
## Electrical Characteristics @ 25°C

### (A) Attenuation vs. Frequency Graphs

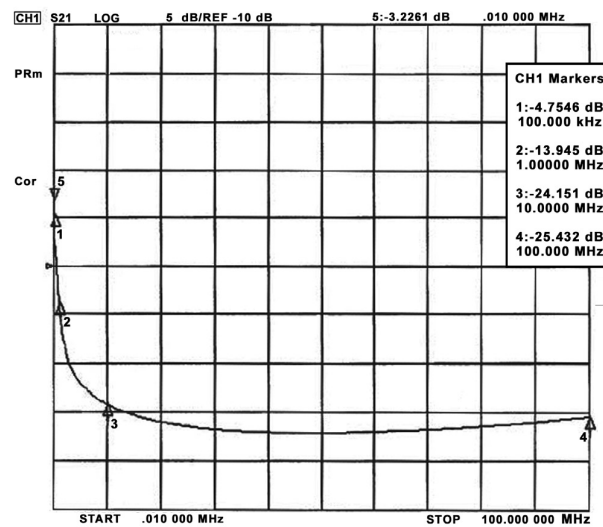
#### HM67-B5R0LF



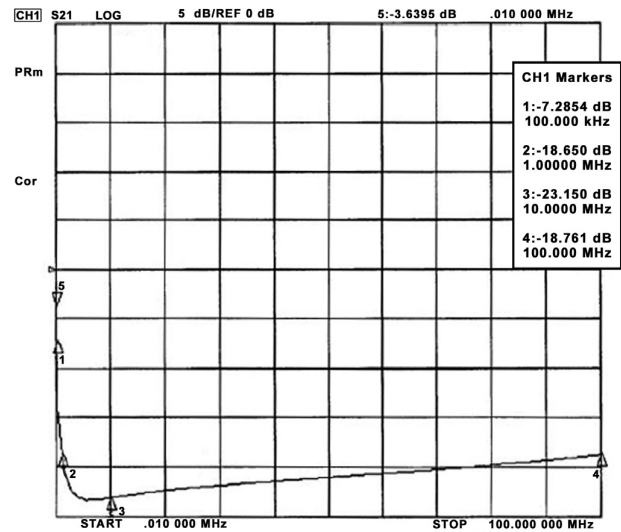
#### HM67-S250LF



#### HM67-B110LF

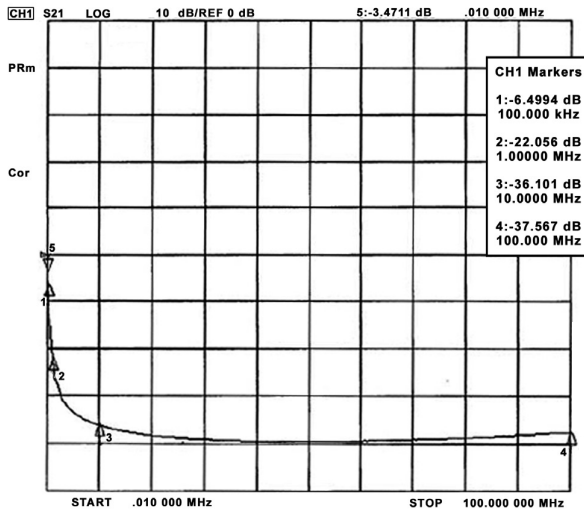


#### HM67-B510LF

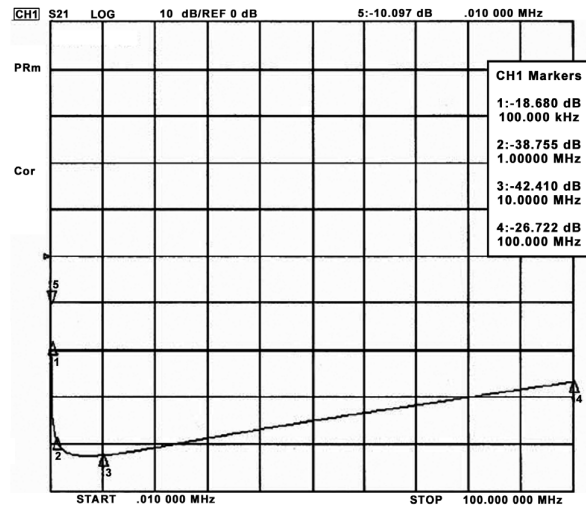


## Electrical Characteristics @ 25°C (Cont'd)

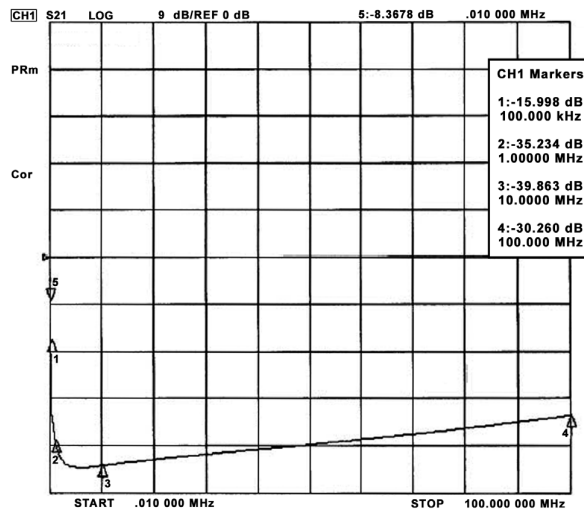
### HM67-S510LF



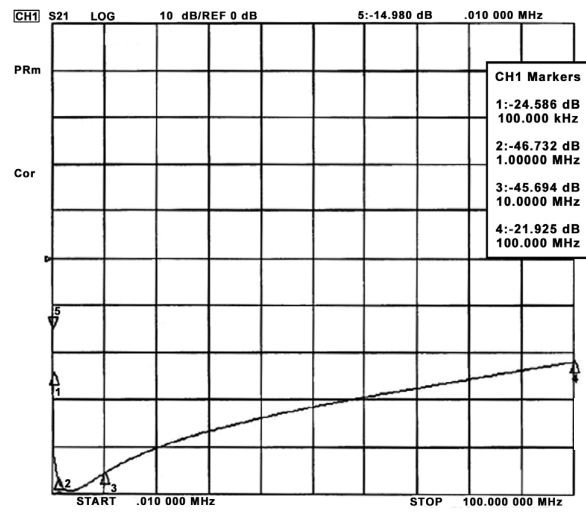
### HM67-B102LF



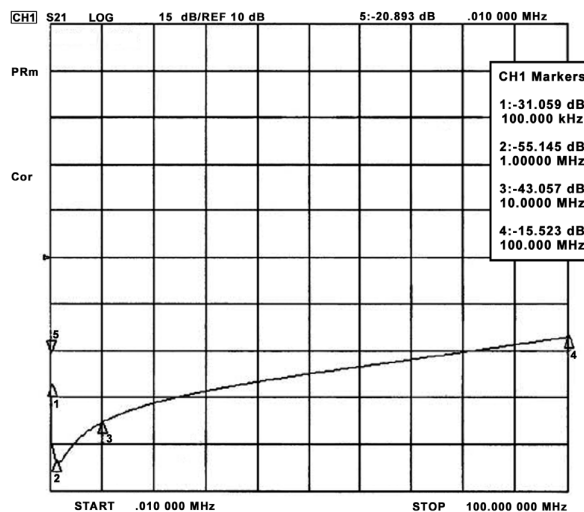
### HM67-B471LF



### HM67-B222LF

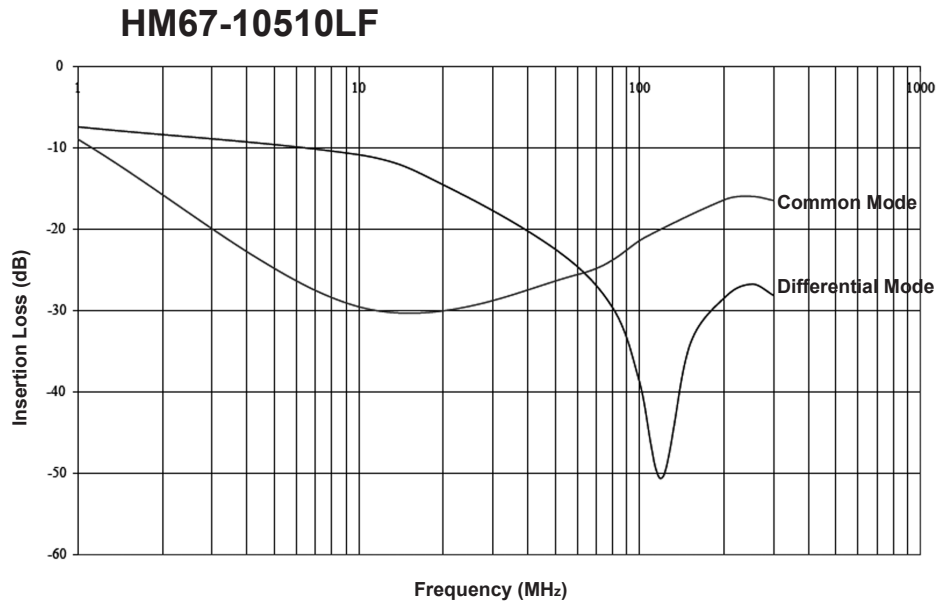


### HM67-B472LF



## Electrical Characteristics @ 25°C (Cont'd)

(B) Insertion Loss vs. Frequency Graph



(C) Current Derating Curve

