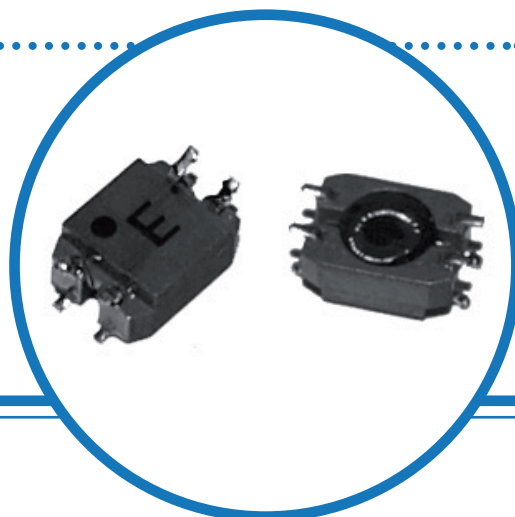


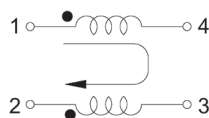
# Surface Mount Common Mode Chokes

MODEL HM67

- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum 85°C
- Temperature Rise, Maximum 40°C
- Dielectric Withstanding Voltage 300Vdc
- R0HS Compliant



## Schematics



## Specification

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

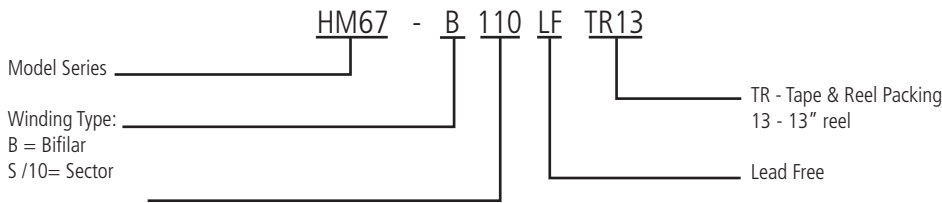
Standard:	Embossed Tape and Reel		
	Reel:	Diameter:	
		Figure 1 & 2	= 13" (330.2mm)
		Capacity:	
		Figure 1	= 400 Units
		Figure 2	= 2000 Units

### General Note

TT electronics reserves the right to make changes in product specification without notice or liability.  
All information is subject to TT electronics' own data and is considered accurate at time of going to print.

MODEL HM67

## Ordering Information



Inductance Code:

First 2 digits are significant.

Last digit denotes the number of trailing zeros.

For values below 10 $\mu$ H, "R" denotes the decimal point.

## Outline Dimensions (Inch/mm)

Figure 1

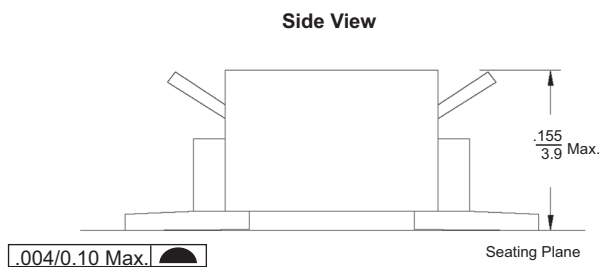
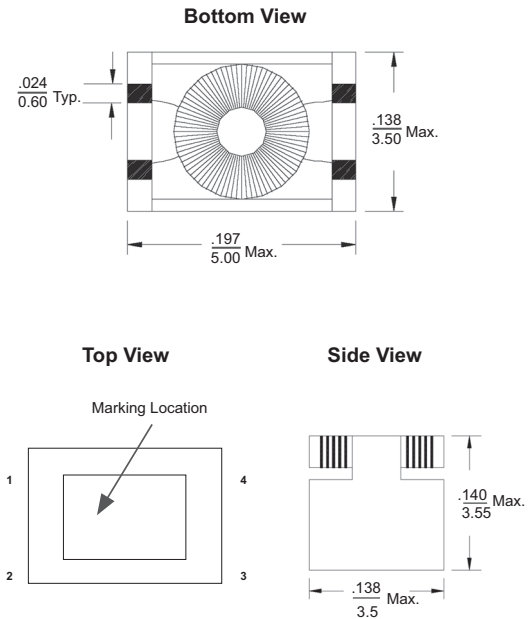
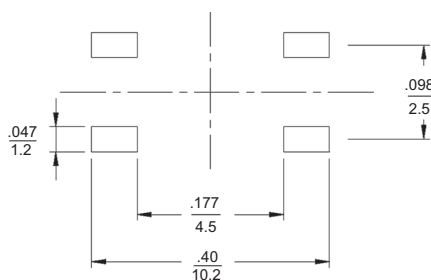


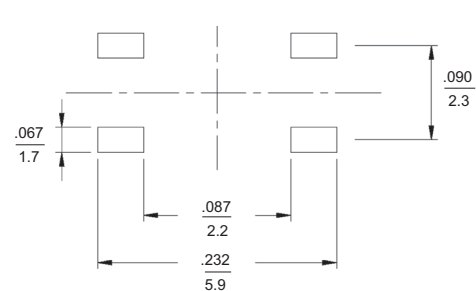
Figure 2



Recommended Solder Pad Layout



Recommended Solder Pad Layout

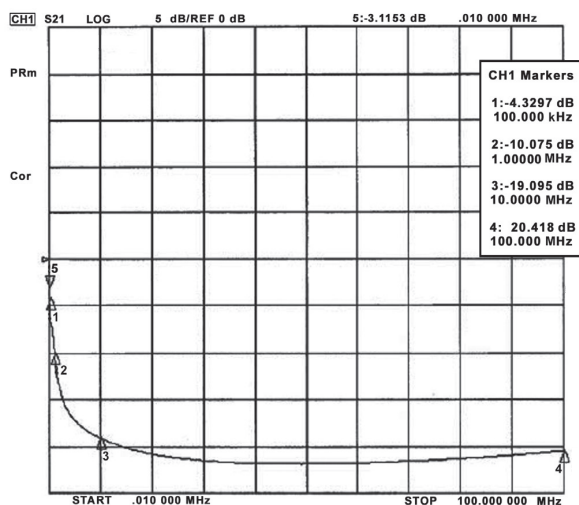


## General Note

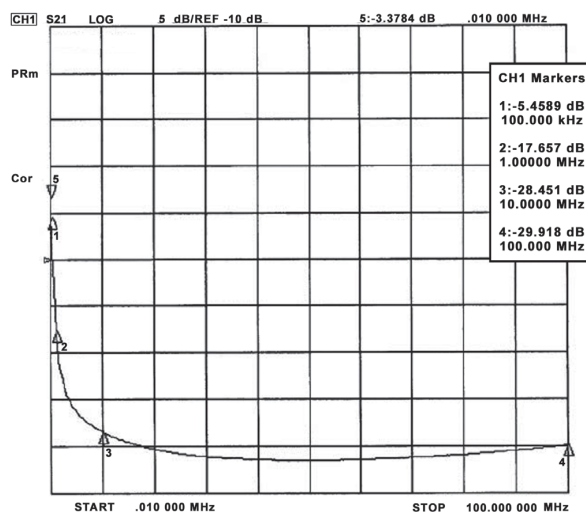
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## Electrical Characteristics @ 25°C

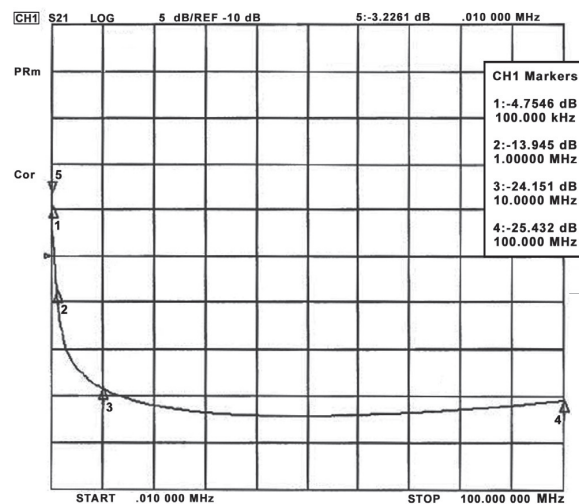
**HM67-B5R0LF**



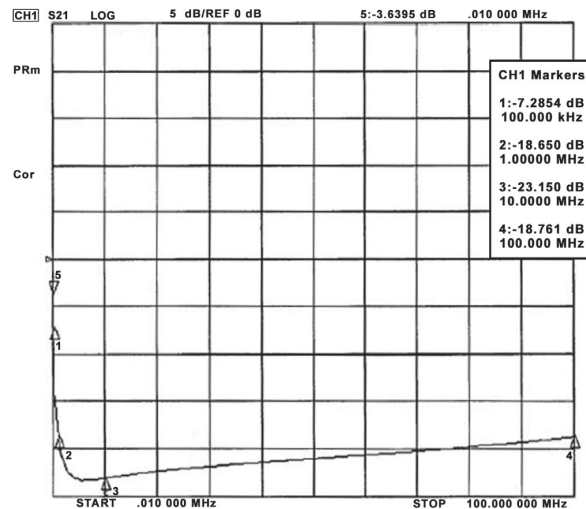
**HM67-S250LF**



**HM67-B110LF**



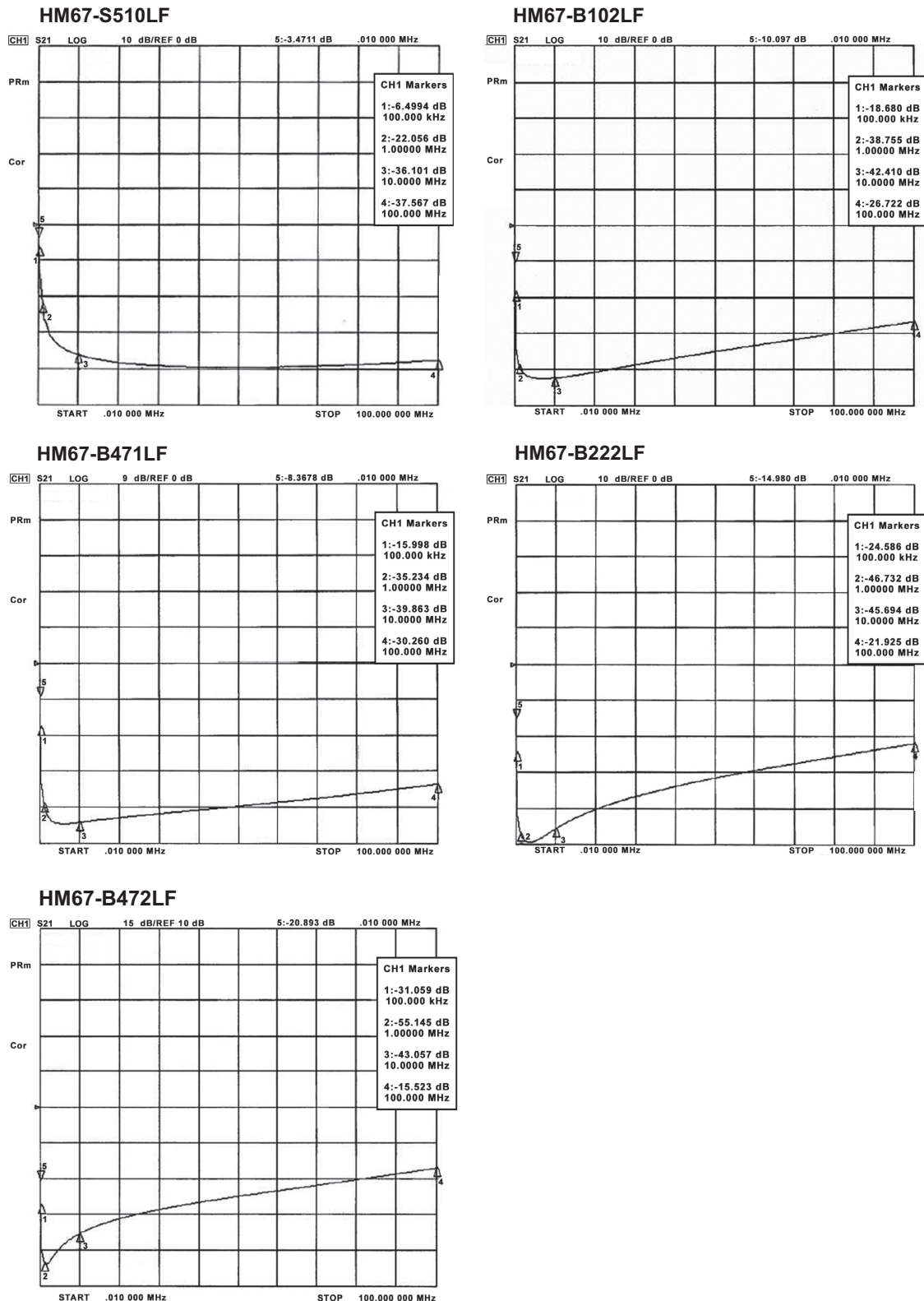
**HM67-B510LF**



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## Electrical Characteristics @ 25°C (Continued)

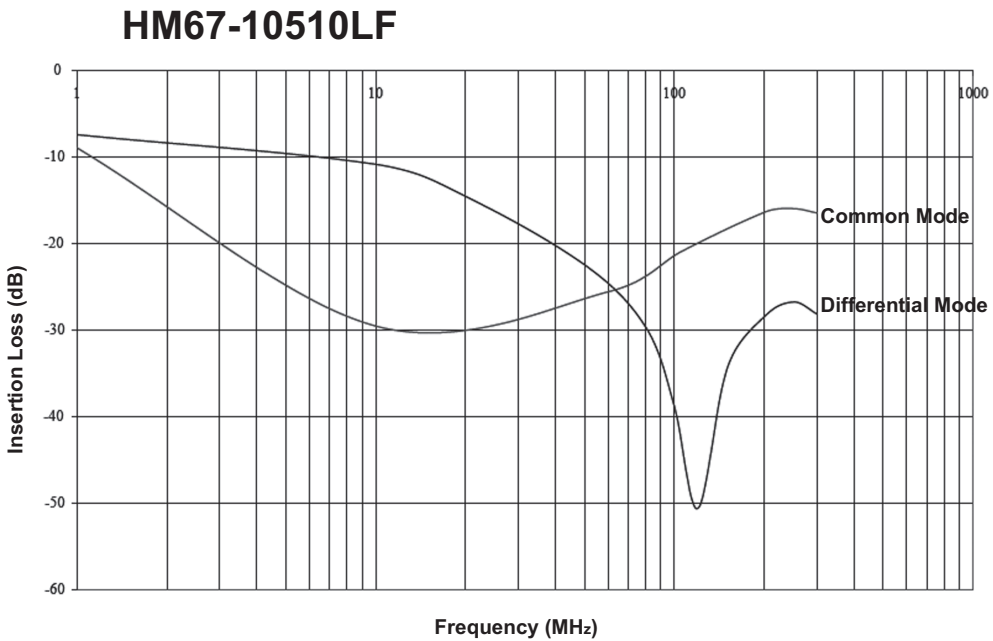


### General Note

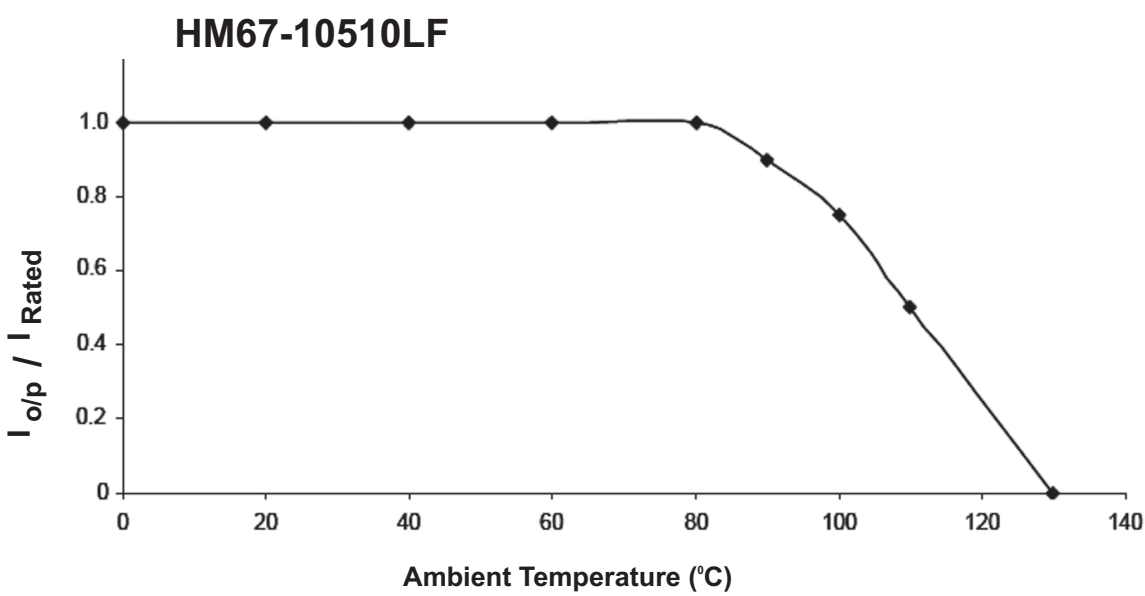
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MODEL HM67

Electrical Characteristics @ 25°C (Continued)



(C) Current Derating Curve



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# Mouser Electronics

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