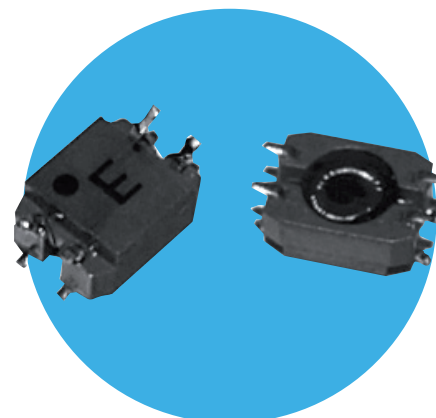


Surface Mount Common Mode Chokes

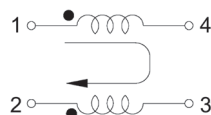
Model HM67 Series

Features

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



Schematics



Specification

Part Number	Terminals	Common Mode Inductance @100 kHz - 0.1 V (1-4 or 2-3) μ H	Inductance Leakage @100 kHz - 0.1 Vrms (1-4) ⁽¹⁾ Typ. μ H	Rated Current mA	DCR ⁽²⁾ Max Ω	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 +50%,-30%	0.16	500	0.30	G	1
HM67-B222 ⁽³⁾ LF	1-4, 2-3	2200.0 +50%,-30%	0.16	400	0.42	H	1
HM67-B472 ⁽³⁾ LF	1-4, 2-3	4700.0 +50%,-30%	0.24	200	0.67	I	1
HM67-10510LF	1-4, 2-3	51.0 $\pm$ 30% ⁽⁴⁾	2.40 ⁽⁴⁾	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

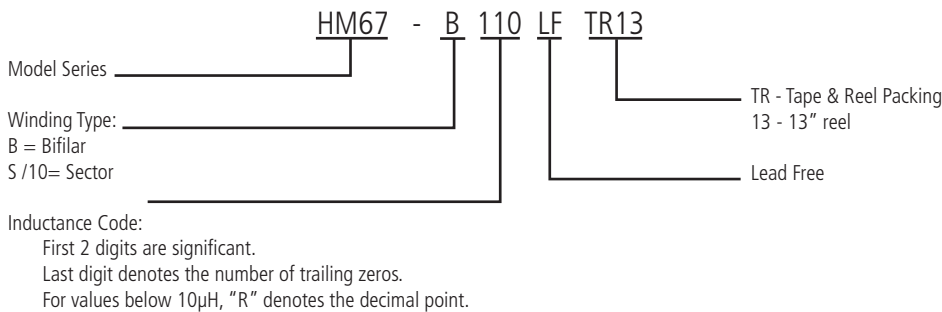
Standard:	Embossed Tape and Reel		
	Reel:	Diameter:	
		Figure 1 & 2	= 13" (330.2mm)
		Capacity:	
		Figure 1	= 400 Units
		Figure 2	= 2000 Units

General Note

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 All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Model HM67 Series

Ordering Information



Outline Dimensions (Inch/mm)

Figure 1

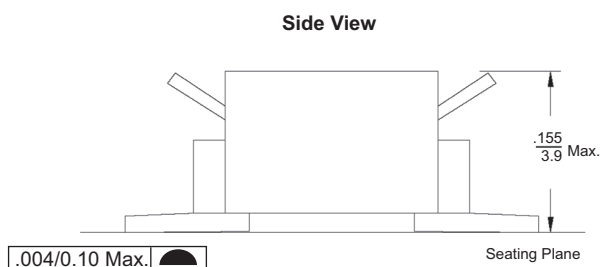
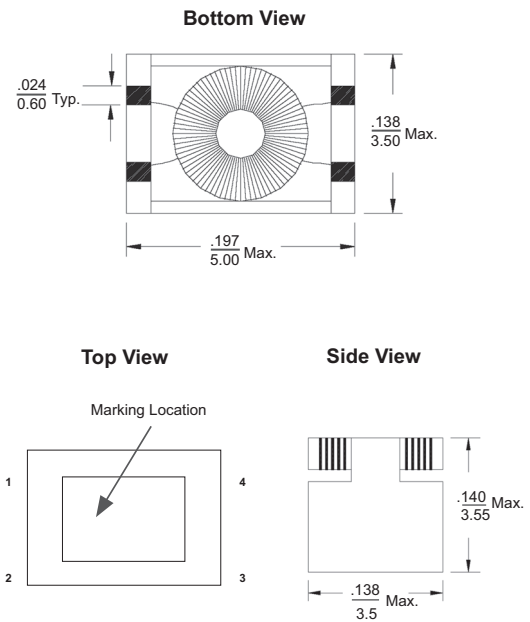
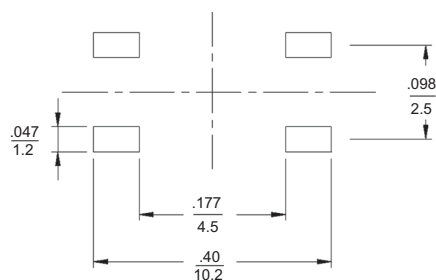


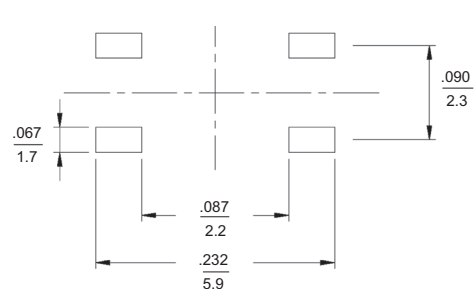
Figure 2



Recommended Solder Pad Layout



Recommended Solder Pad Layout



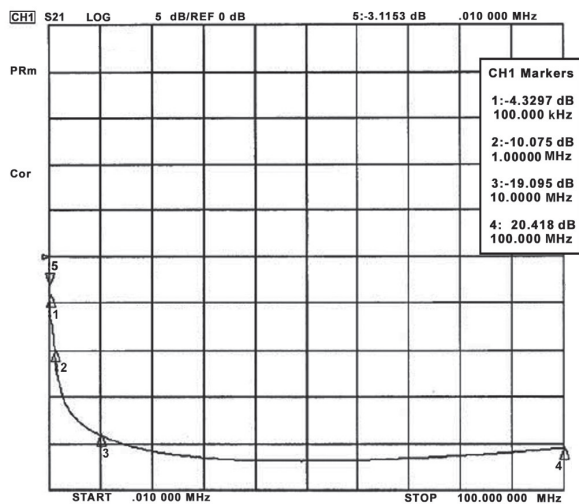
General Note

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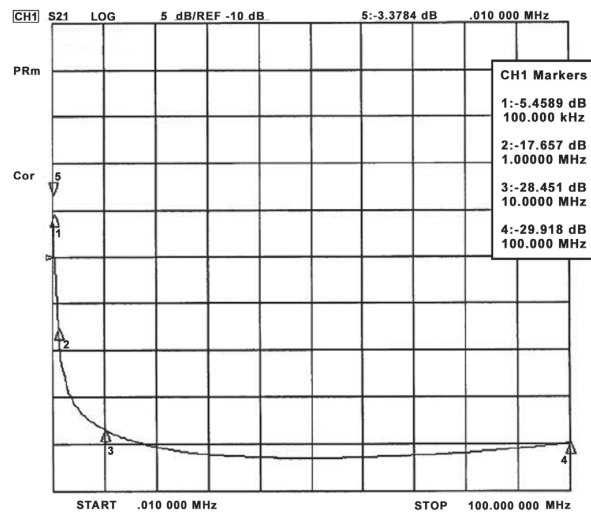
Electrical Characteristics @ 25°C

(A) Attenuation vs. Frequency Graphs

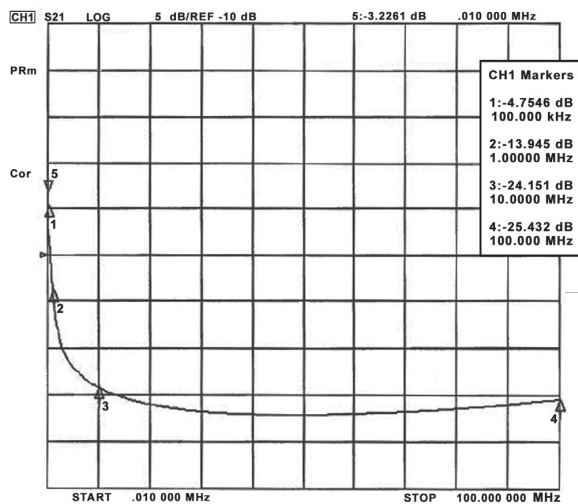
HM67-B5R0LF



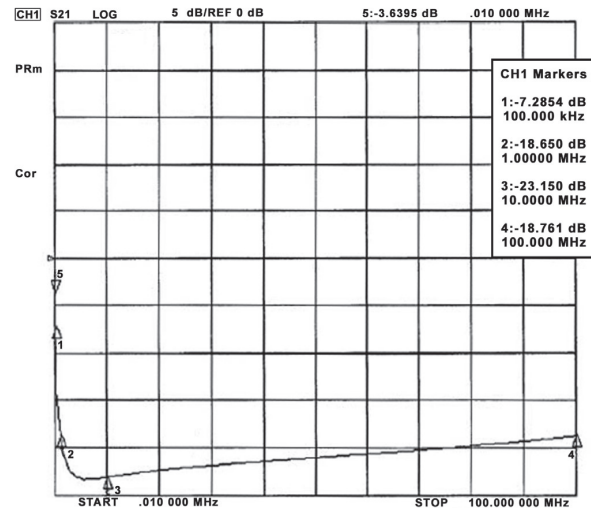
HM67-S250LF



HM67-B110LF



HM67-B510LF

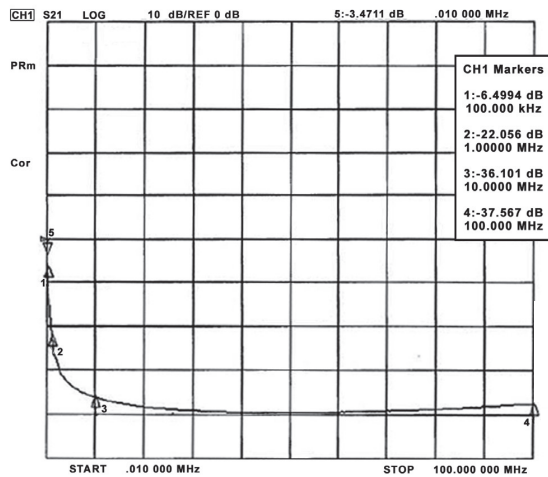


General Note

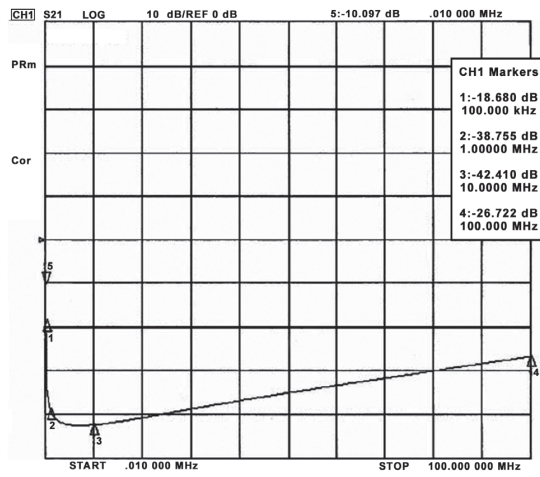
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Electrical Characteristics @ 25°C (Continued)

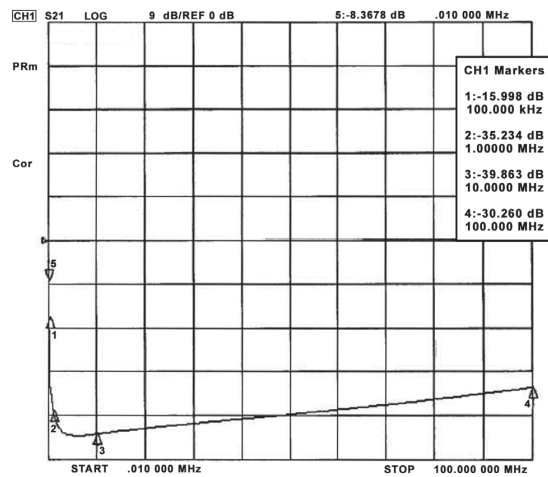
HM67-S510LF



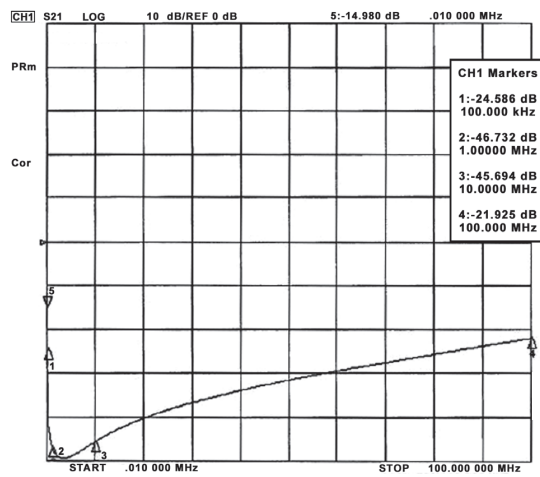
HM67-B102LF



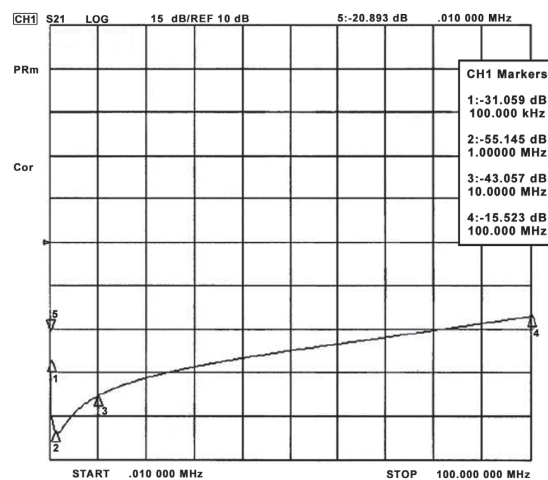
HM67-B471LF



HM67-B222LF



HM67-B472LF

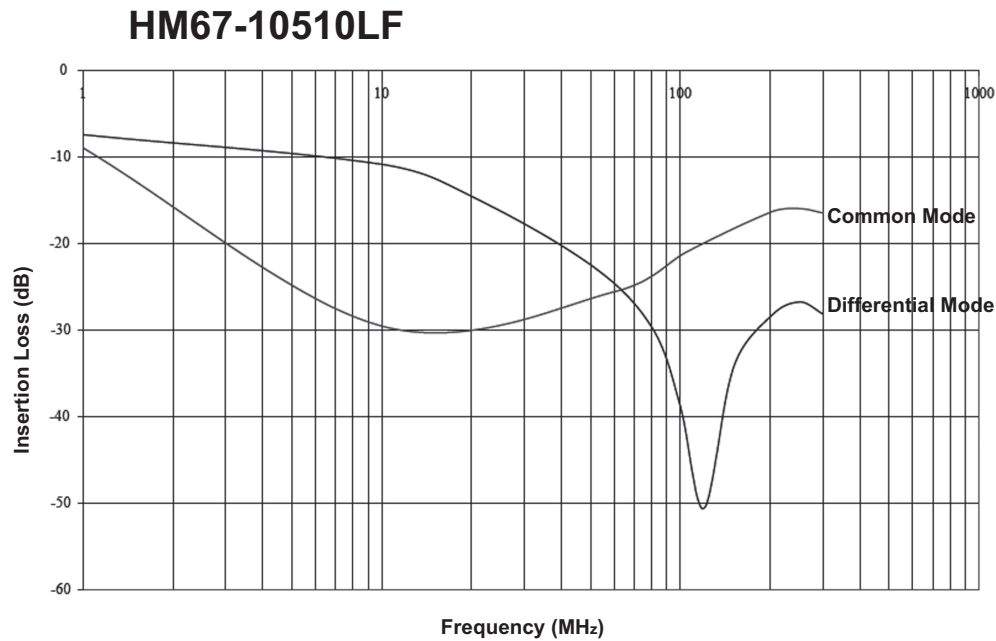


General Note

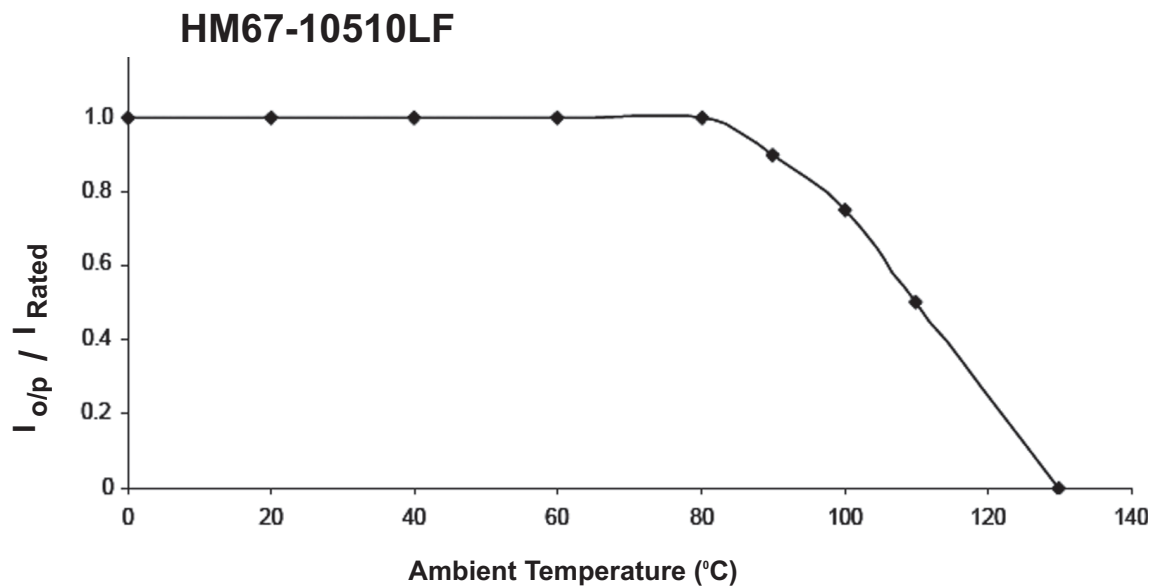
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Electrical Characteristics @ 25°C (Continued)

(B) Insertion Loss vs. Frequency Graph



(C) Current Derating Curve



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