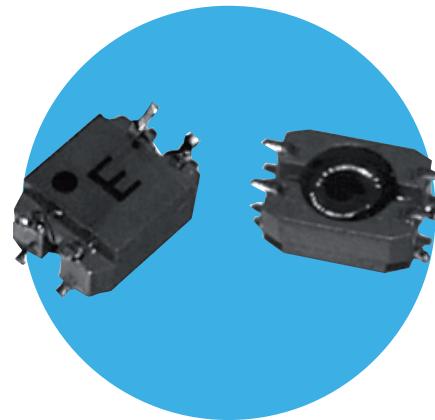


Surface Mount Common Mode Chokes

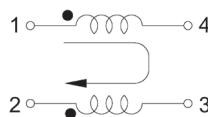
Model HM67 Series

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 ± 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 ⁽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 ± 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: Reel:	Embossed Tape and 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.

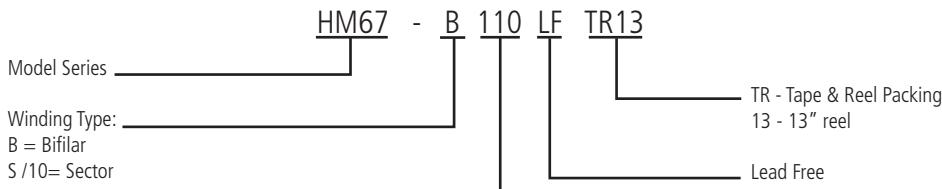
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Bi technologies

www.ttelectronicsmagnetics.com

Model HM67 Series

Ordering Information



Outline Dimensions (Inch/mm)

Figure 1

Side View

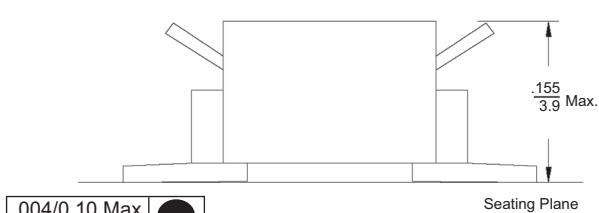
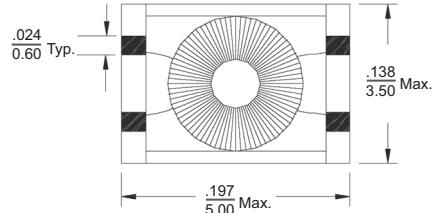
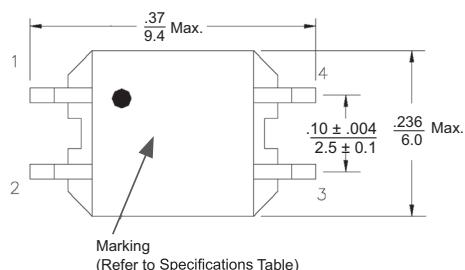


Figure 2

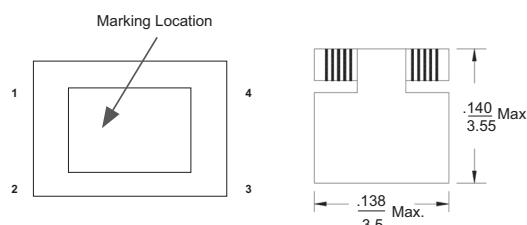
Bottom View



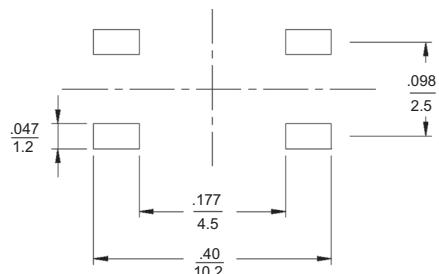
Top View



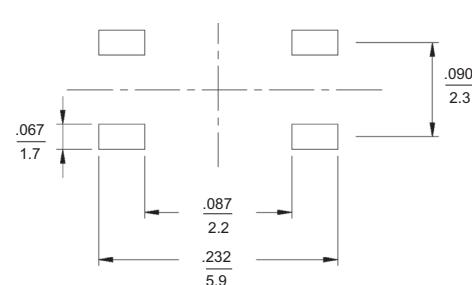
Top View



Recommended Solder Pad Layout



Recommended Solder Pad Layout



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.

Bi technologies

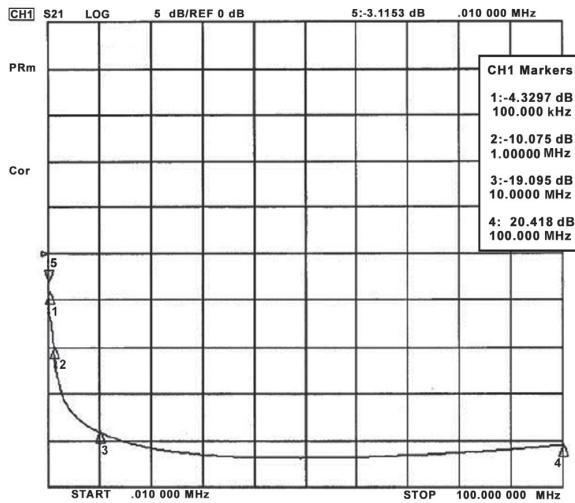
www.ttelelectronicsmagnetics.com

Model HM67 Series

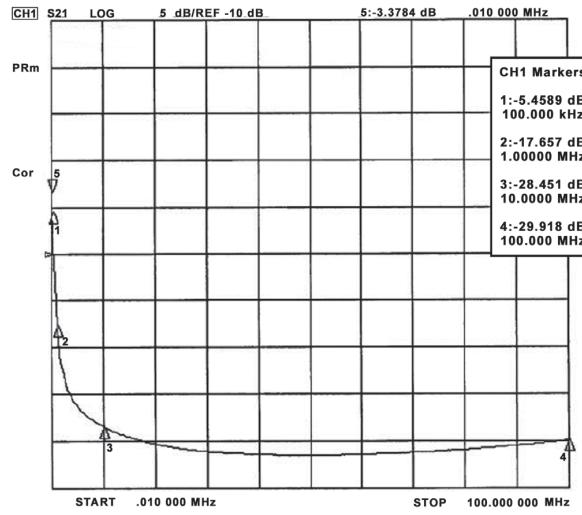
Electrical Characteristics @ 25°C

(A) Attenuation vs. Frequency Graphs

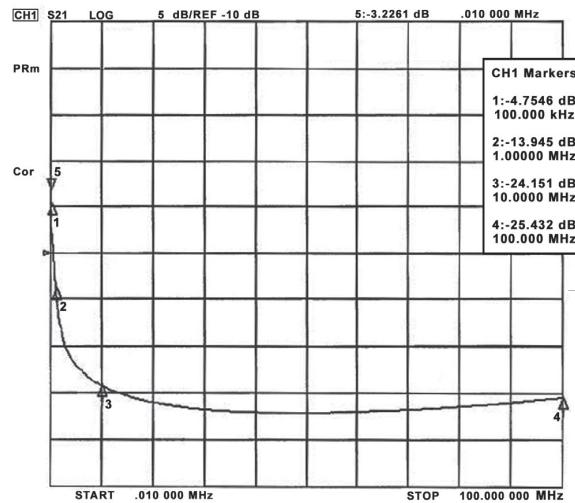
HM67-B5R0LF



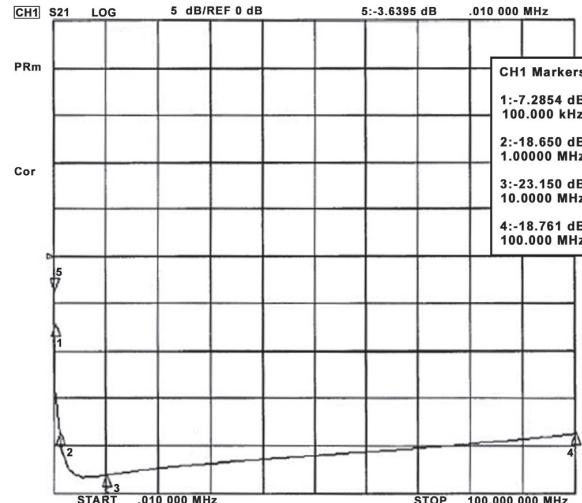
HM67-S250LF



HM67-B110LF



HM67-B510LF



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.

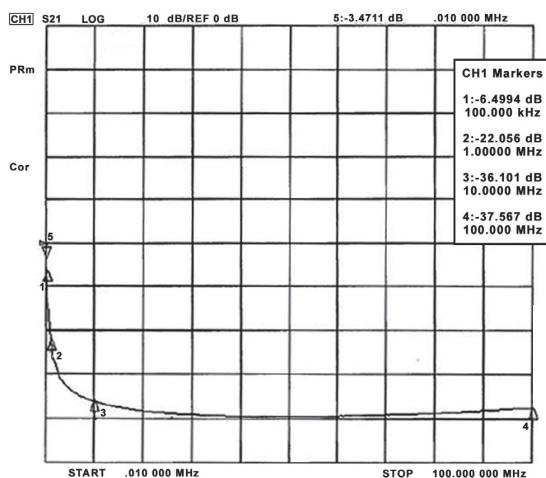
Bi technologies

www.ttelectronicsmagnetics.com

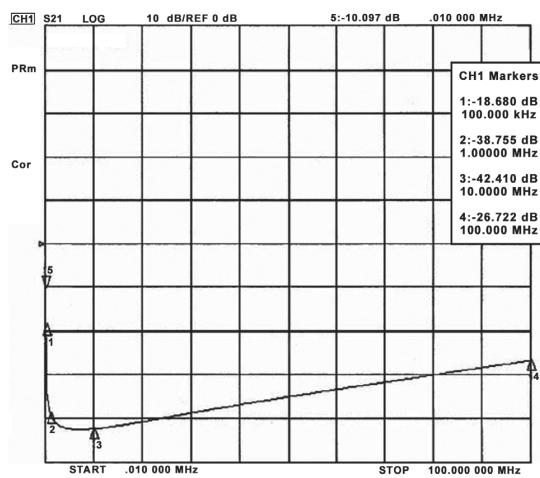
Model HM67 Series

Electrical Characteristics @ 25°C (Continued)

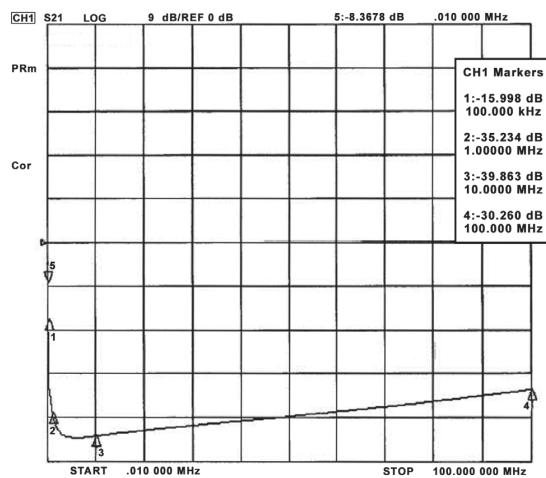
HM67-S510LF



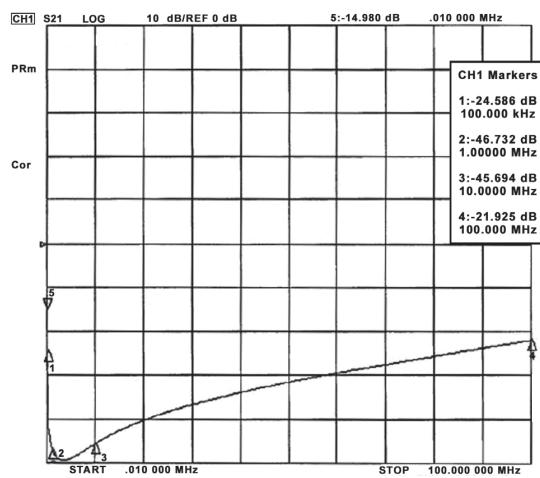
HM67-B102LF



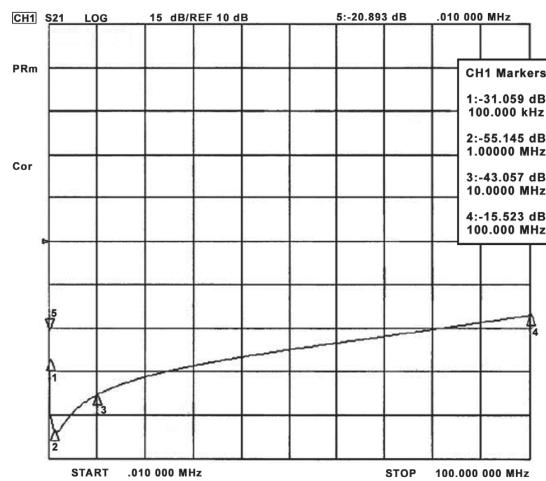
HM67-B471LF



HM67-B222LF



HM67-B472LF



General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.

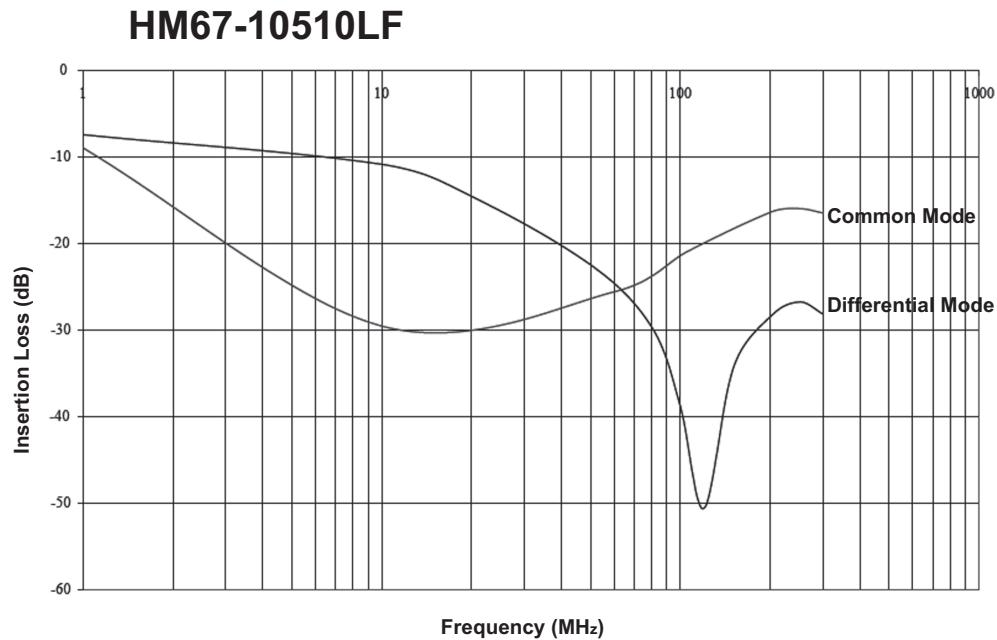
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Bi technologies

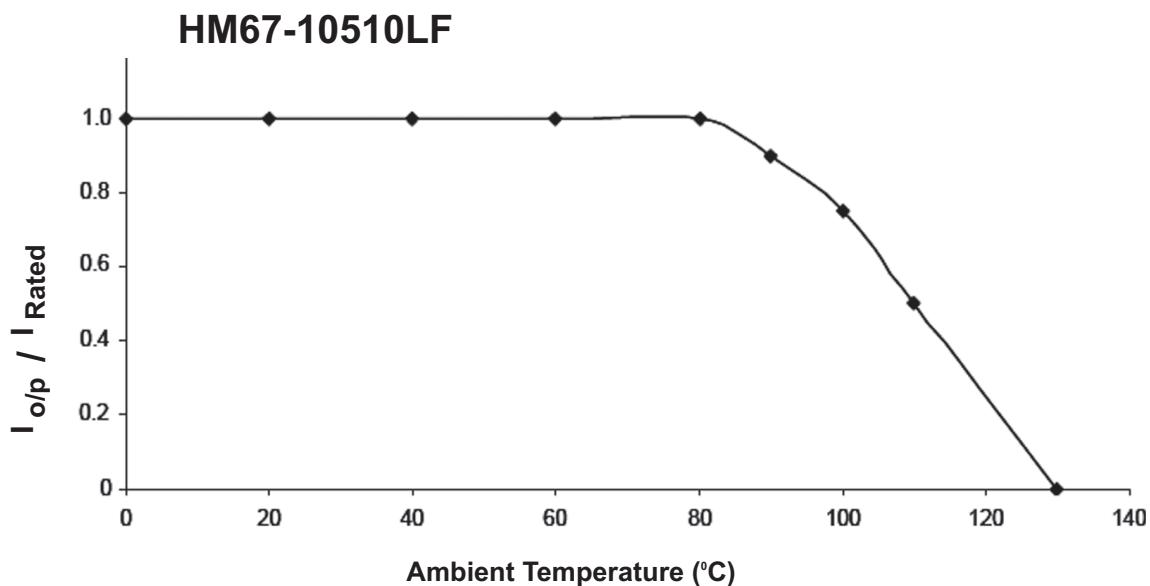
www.ttelelectronicsmagnetics.com

Electrical Characteristics @ 25°C (Continued)

(B) Insertion Loss vs. Frequency Graph



(C) Current Derating Curve



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.

Bi technologies

www.ttelelectronicsmagnetics.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TT Electronics:](#)

[HM67-S510LFTR13](#) [HM67-10510LFTR](#) [HM67-B471LFTR13](#) [HM67-B510LFTR13](#) [HM67-B110LFTR13](#) [HM67-S250LFTR13](#) [HM67-B222LFTR13](#) [HM67-B5R0LFTR13](#) [HM67-B472LFTR13](#) [HM67-B102LFTR13](#)