Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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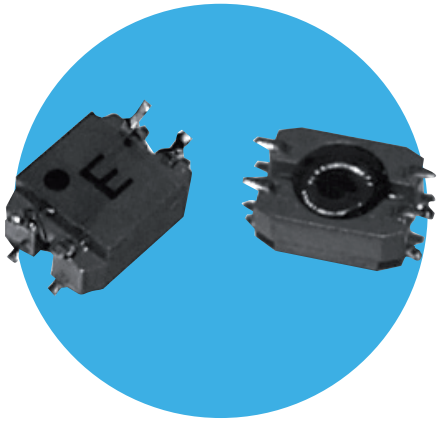
Magnetics

Surface Mount Common Mode Chokes

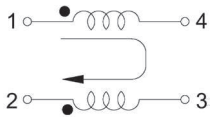
Model HM67 Series



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) µH	Inductance Leakage @100 kHz - 0.1 Vrms (1-4)[1] Typ. µH	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:	Embossed Tape and Reel				
	Reel:	Diameter:			
		Capacity:	Figure 1 & 2	=	13" (330.2mm)
			Figure 1	=	400 Units
			Figure 2	=	2000 Units

Model HM67 Series

Ordering Information

HM67 - B 110 LF TR13

Model Series

Winding Type:
B = Bifilar
S /10= Sector

Inductance Code:
First 2 digits are significant.
Last digit denotes the number of trailing zeros.
For values below 10µH, "R" denotes the decimal point.

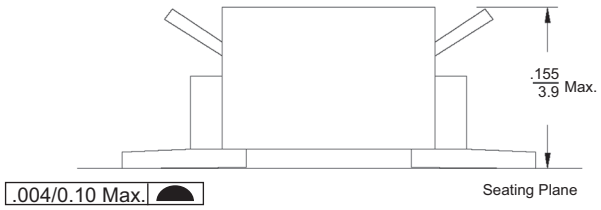
TR - Tape & Reel Packing
13 - 13" reel

Lead Free

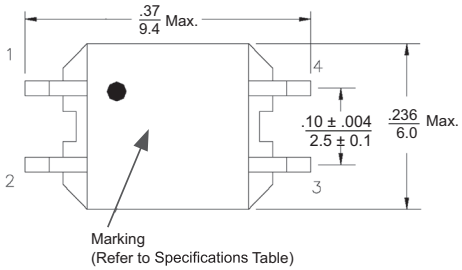
Outline Dimensions (Inch/mm)

Figure 1

Side View



Top View



Recommended Solder Pad Layout

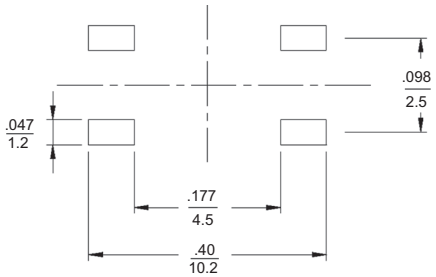
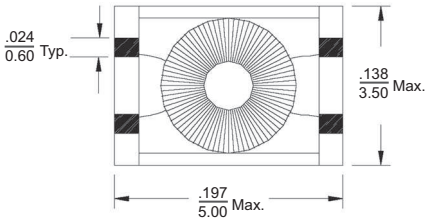
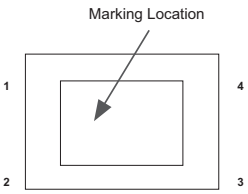


Figure 2

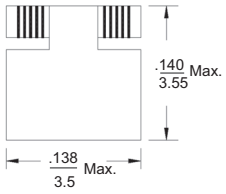
Bottom View



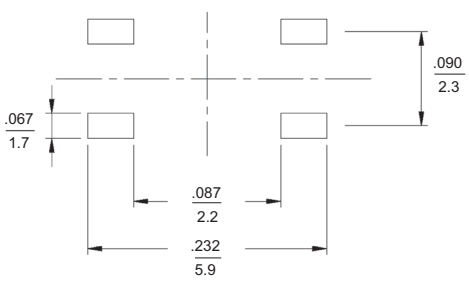
Top View



Side View



Recommended Solder Pad Layout



General Note

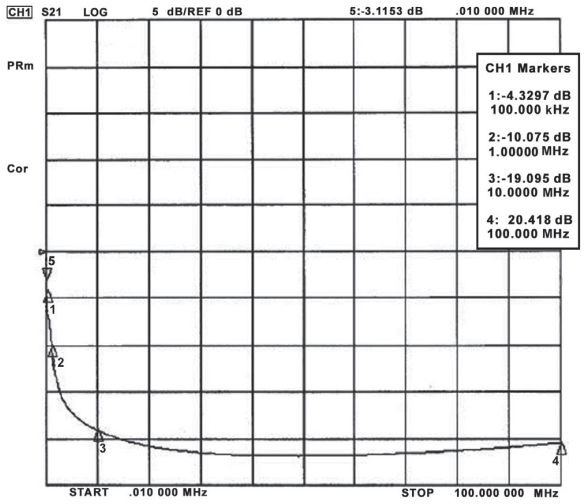
TT Electronics reserves the right to make changes in product specification without notice or liability.

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

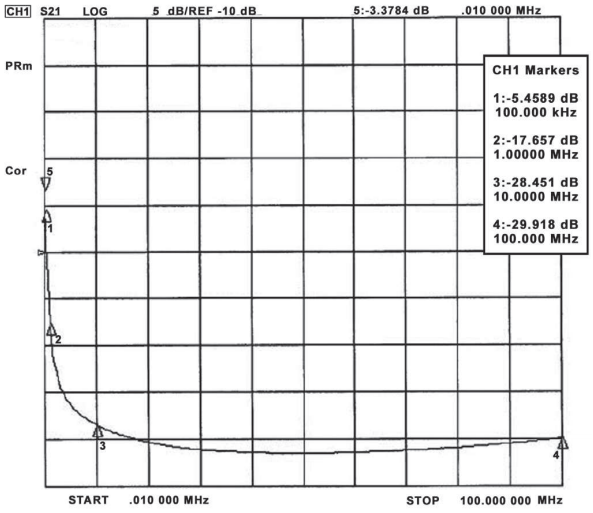
Electrical Characteristics @ 25°C

(A) Attenuation vs. Frequency Graphs

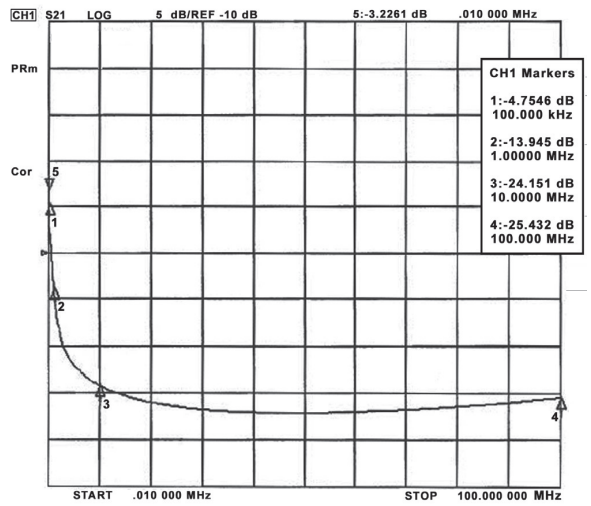
HM67-B5R0LF



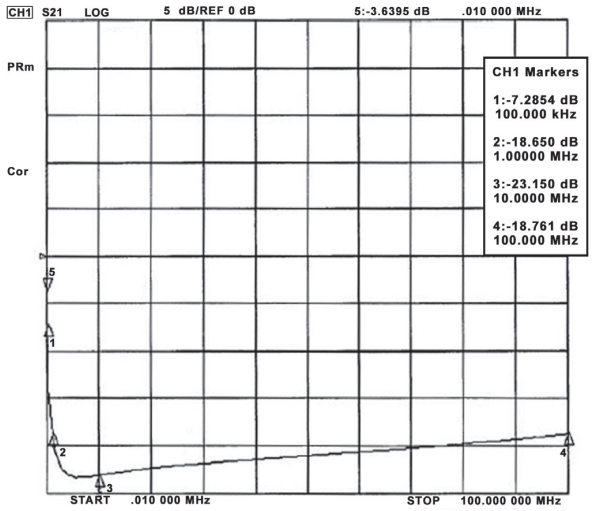
HM67-S250LF



HM67-B110LF

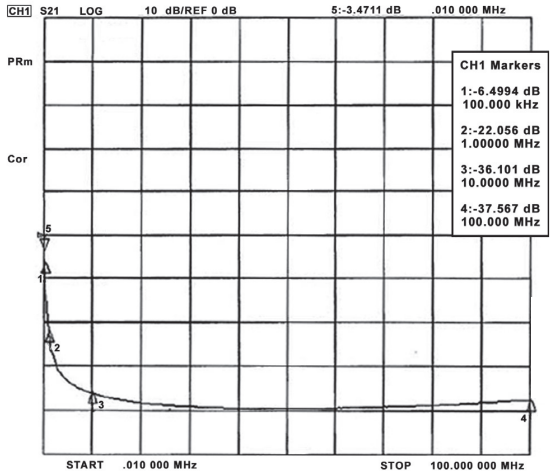


HM67-B510LF

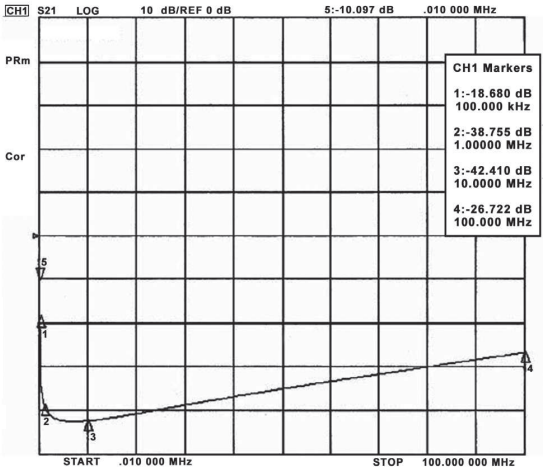


Electrical Characteristics @ 25°C (Continued)

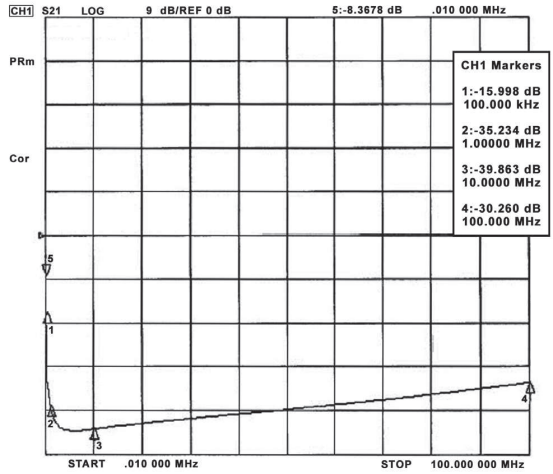
HM67-S510LF



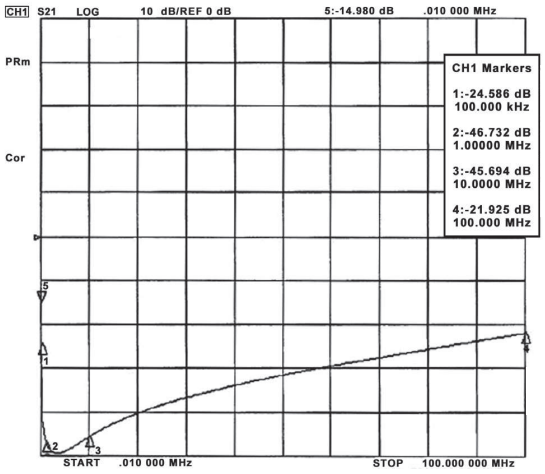
HM67-B102LF



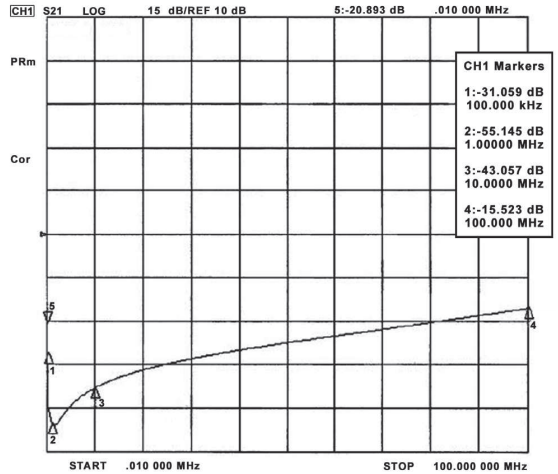
HM67-B471LF



HM67-B222LF

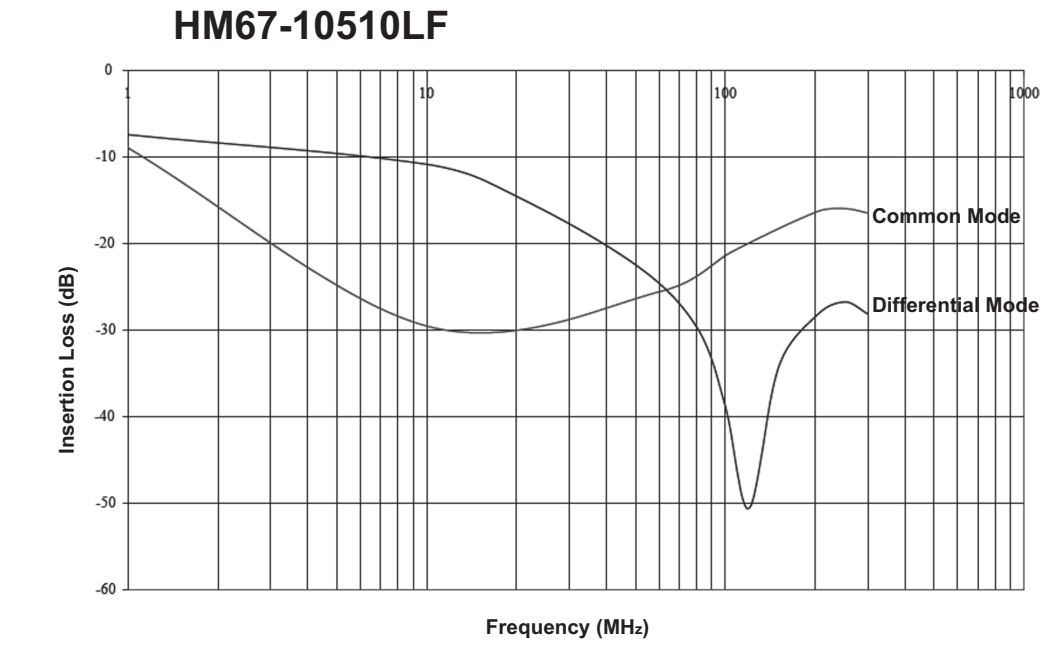


HM67-B472LF



Electrical Characteristics @ 25°C (Continued)

(B) Insertion Loss vs. Frequency Graph



(C) Current Derating Curve