

Electrical / Environmental

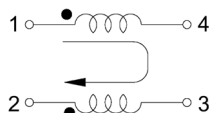
- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum 85°C
- Temperature Rise, Maximum 40°C
- Dielectric Withstanding Voltage 300Vdc

HM67

Surface Mount Common Mode Chokes



Schematic



Specifications

Part Number	Terminals	Common Mode Inductance @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 & Reel

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

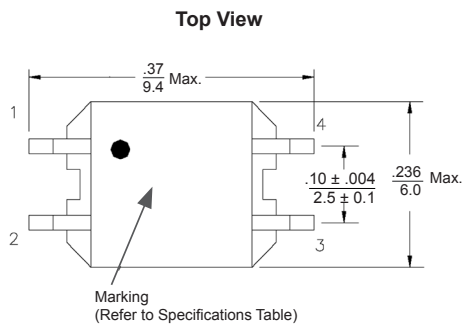
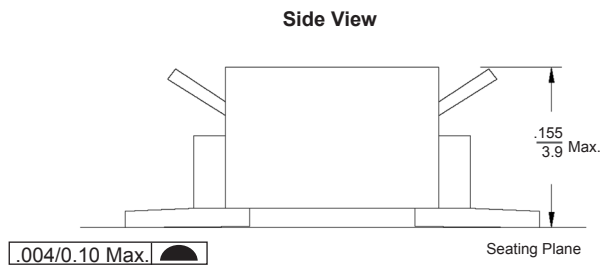
Ordering Information

Model Series	HM67 - B	110	LF	TR13	TR - Tape & Reel Packing 13 - 13" reel
Winding Type:	B = Bifilar S /10= Sector				
Inductance Code:					Lead-Free

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

Outline Dimensions (Inch/mm)

Figure 1



Recommended Solder Pad Layout

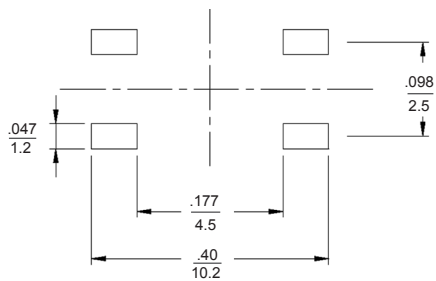
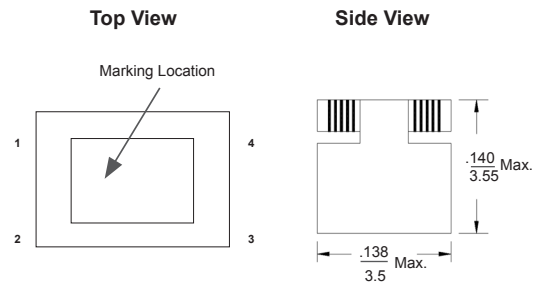
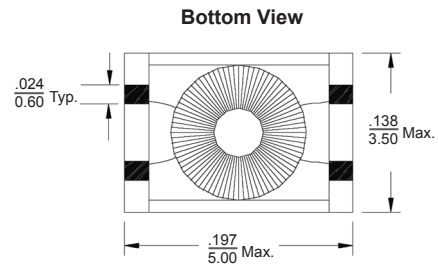
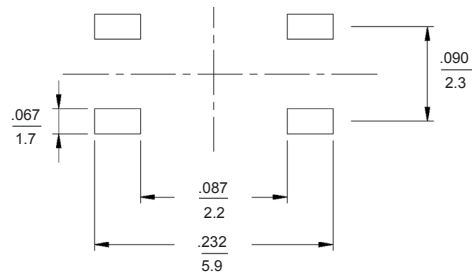


Figure 2



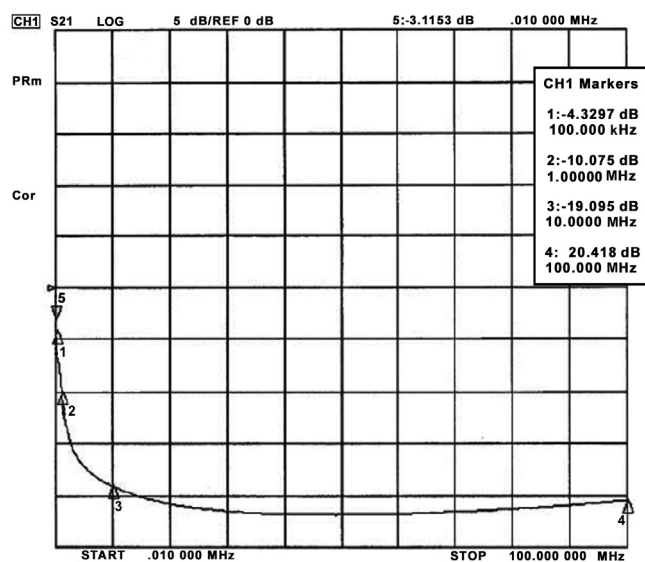
Recommended Solder Pad Layout



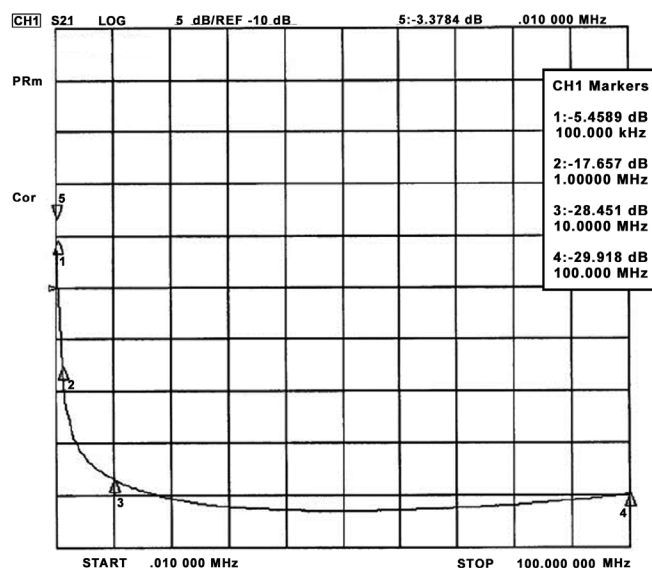
Electrical Characteristics @ 25°C

(A) Attenuation vs. Frequency Graphs

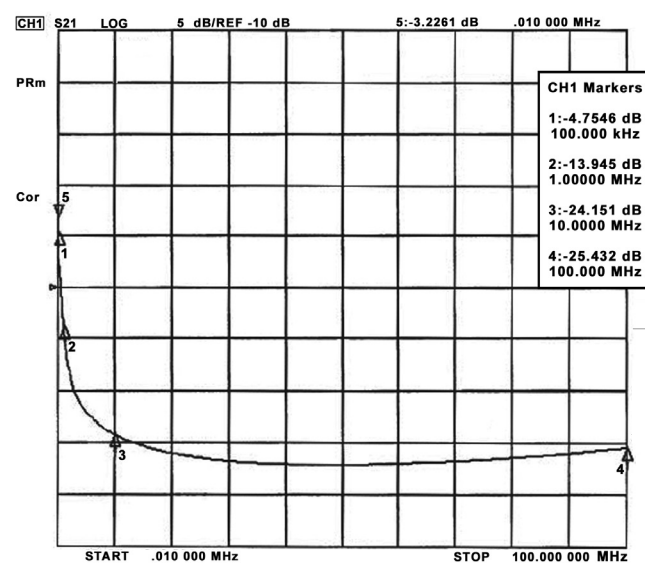
HM67-B5R0LF



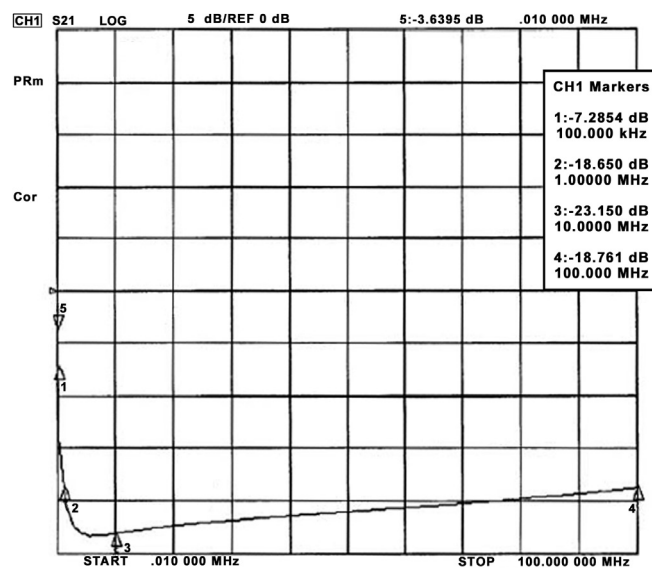
HM67-S250LF



HM67-B110LF

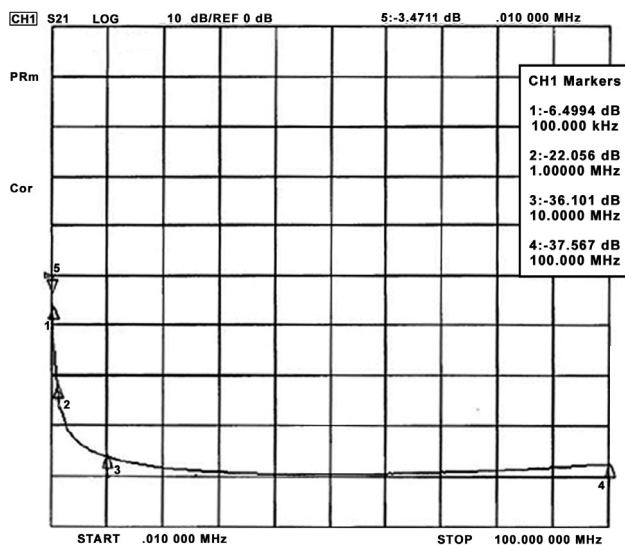


HM67-B510LF

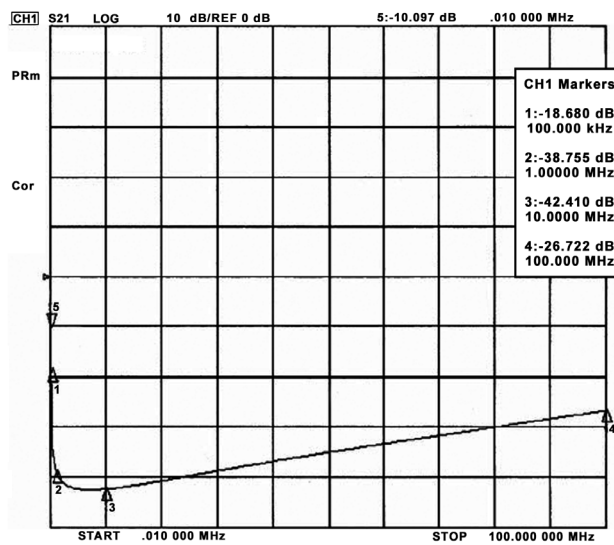


Electrical Characteristics @ 25°C (Cont'd)

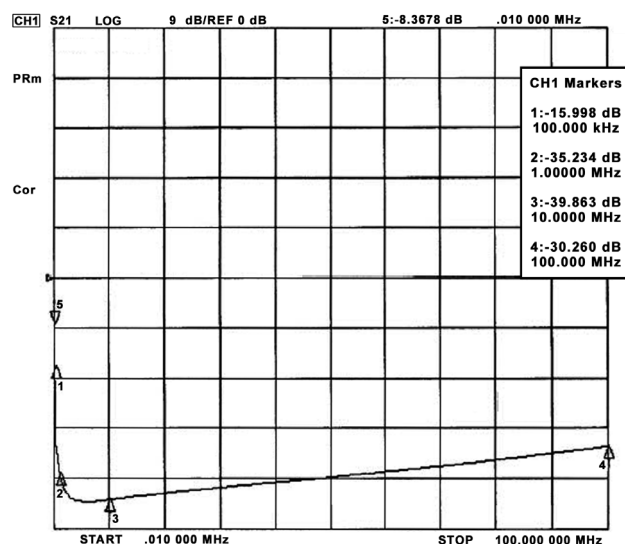
HM67-S510LF



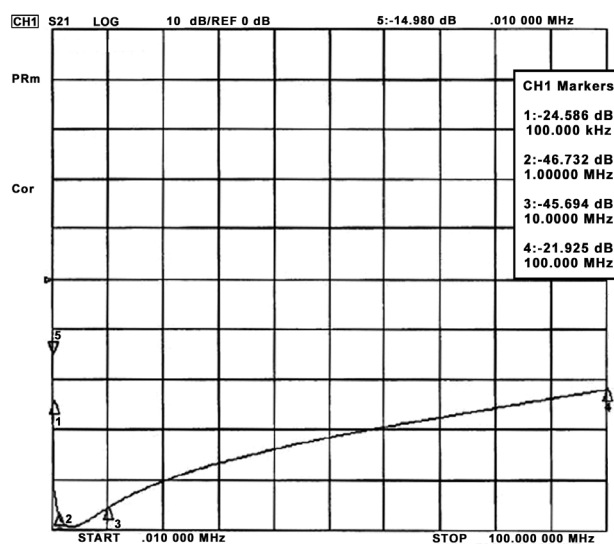
HM67-B102LF



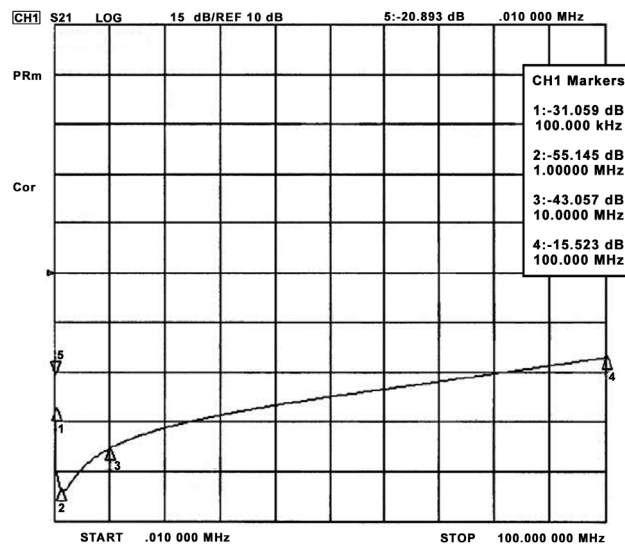
HM67-B471LF



HM67-B222LF

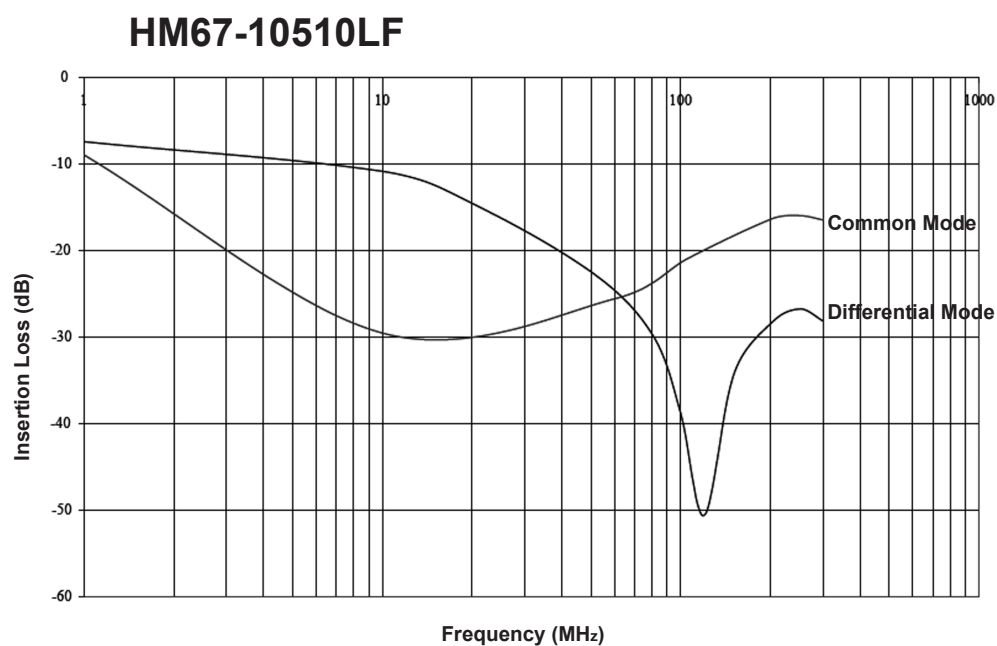


HM67-B472LF



Electrical Characteristics @ 25°C (Cont'd)

(B) Insertion Loss vs. Frequency Graph



(C) Current Derating Curve

