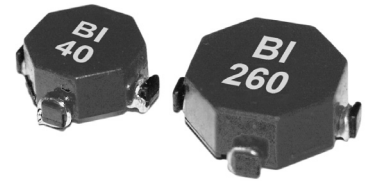


Electrical / Environmental

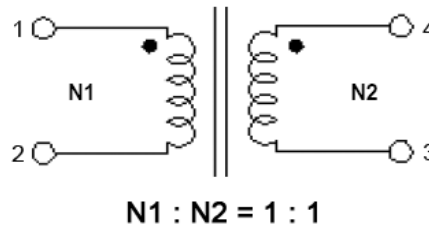
HM86

Surface Mount Common Mode Chokes

- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum +85°C
- Temperature Rise, Maximum 40°C



Schematic



Specifications @ 25°C

Part Number	Inductance (1-2 or 4-3)	Rated Current (Max.)	DC Resistance (1-2 or 4-3)	Leakage Inductance	Interwinding Capacitance	Height mm Max.
	μH $\pm 30\%$	Amps	$\text{m}\Omega$ Typ.	μH Max.	pF Typ.	
HM86-10025LF	25.0	5.35	3.10	0.22	2.00	5.2
HM86-10040LF	40.0	4.40	3.89	0.34	2.30	5.2
HM86-10070LF	70.0	3.60	5.35	0.47	2.50	5.2
HM86-10095LF	95.0	2.80	7.97	0.80	2.80	5.2
HM86-10150LF	150.0	2.30	16.85	1.25	3.10	5.2
HM86-10275LF	275.0	1.85	34.53	1.75	3.40	5.2
HM86-10320LF	320.0	1.60	39.72	2.00	3.60	5.2
HM86-10400LF	400.0	1.35	42.73	2.60	3.90	5.2
HM86-10500LF	500.0	1.10	57.43	3.30	4.10	5.2
HM86-10620LF	620.0	0.94	73.72	4.00	4.30	5.2
HM86-10750LF	750.0	0.80	98.34	5.00	4.60	5.2
HM86-11100LF	1100.0	0.67	161.2	6.30	4.90	5.2
HM86-11300LF	1300.0	0.58	245.5	7.30	5.10	5.2
HM86-11600LF	1600.0	0.50	350.5	9.00	5.40	5.2
HM86-20035LF	34.9	5.70	4.63	0.31	2.80	6.0
HM86-20050LF	50.0	5.10	5.12	0.46	3.05	6.0
HM86-20075LF	75.0	4.75	6.52	0.64	3.30	6.0
HM86-20105LF	105.0	3.95	7.92	0.85	3.50	6.0
HM86-20175LF	175.0	3.10	15.9	1.30	3.70	6.0
HM86-20260LF	260.0	2.85	19.5	1.90	3.90	6.0
HM86-20310LF	310.0	2.45	25.3	2.20	4.15	6.0
HM86-20420LF	420.0	2.00	36.8	3.00	4.40	6.0
HM86-20480LF	480.0	1.70	50.2	3.30	4.65	6.0
HM86-20620LF	620.0	1.45	62.1	4.20	4.85	6.0
HM86-20780LF	780.0	1.20	92.3	5.10	5.10	6.0
HM86-20950LF	950.0	1.05	132.1	6.10	5.35	6.0
HM86-21250LF	1250.0	0.88	192.2	7.80	5.55	6.0
HM86-21600LF	1600.0	0.75	286.5	9.60	5.80	6.0

- Notes: (1) Inductance, leakage inductance and interwinding capacitance are measured at 100kHz, 0.1Vrms.
 (2) Leakage inductance is measured at pin-1-2 with N2 (pin 4-3) winding shorted.
 (3) It is recommended that the temperature of the component (ambient plus temperature rise) does not exceed 125°C under worst case operating conditions.

Outline Dimensions (mm)

Figure 1

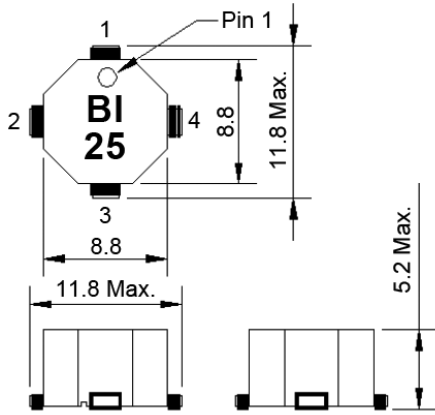
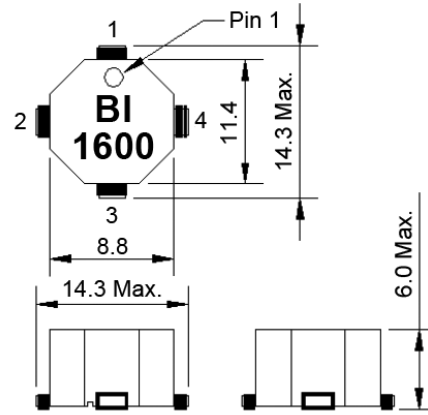
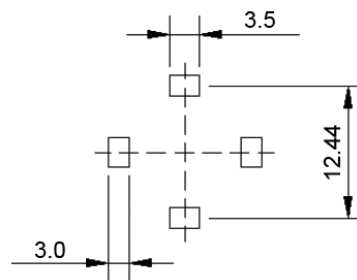
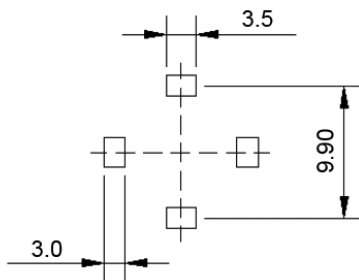


Figure 2



Recommended Solder Pad Layouts



Packaging

Standard: Embossed Tape and Reel

Reel:	Diameter:	=	13" (330.2mm)
	Capacity:	Case size 1	= 800 units
		Case size 2	= 600 units

Ordering Information

