

BCIHF1770 Series

Features

- 100% lead (Pb)-free.
- Lowest DCR.
- Frequency range up to 5.0MHZ.
- Handles high transient current spikes without saturation
- Ultra low buzz noise, due to composite construction.

Applications

- Notebook/Desktop/Server applications.
- Low profile, high current power supplies.
- Battery powered devices.
- DC/DC converter for Field Programmable Gate Array (FPGA).

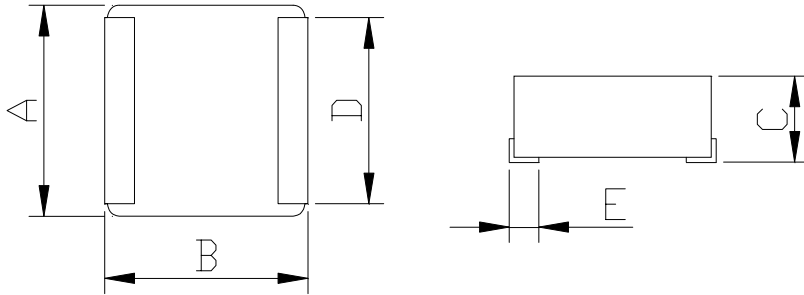
特點

- 符合 RoHs.
- 低電阻.
- 頻率可達到 5.0 MHZ.
- 可處理在未飽和時的高瞬間電流.
- 設計緊湊/超低噪音

應用

- 筆記本型電腦/伺服器等設.
- 備形體小,可耐高電流.
- 電源,電池設備.
- 用於 FPGA 領域中的 DC/DC 轉換設備

DIMENSION: [Unit: mm]



A	17.15 MAX
B	18.0 ± 0.3
C	7.0 MAX
D	11.94 ± 0.3
E	2.7 ± 0.4

SPECIFICATIONS:

Part Number	Inductance Lo (uH)@0A ±20%	DCR (mΩ)@25°C		Heat Rating Current	Saturation Current
		Typical	Max	Idc (A)	Isat (A)
				Typical	Typical
BCIHF1770-R33M-NL	0.33	0.61	0.67	75.5	55.0
BCIHF1770-R47M-NL	0.47	0.78	0.87	64.5	62.0
BCIHF1770-R56M-NL	0.56	0.83	0.91	61.0	66.0
BCIHF1770-R82M-NL	0.82	0.98	1.08	56.5	45.0
BCIHF1770-1R0M-NL	1.0	1.21	1.27	55.5	32.0
BCIHF1770-1R5M-NL	1.5	1.54	1.62	48.0	31.0
BCIHF1770-2R2M-NL	2.2	1.85	1.98	43.5	28.0
BCIHF1770-3R3M-NL	3.3	2.79	2.93	35.0	27.0
BCIHF1770-4R7M-NL	4.7	3.98	4.18	30.0	21.0
BCIHF1770-5R6M-NL	5.6	4.23	4.44	28.0	21.0
BCIHF1770-6R8M-NL	6.8	5.86	6.15	22.5	18.5
BCIHF1770-8R2M-NL	8.2	7.71	8.10	21.0	18.0
BCIHF1770-100M-NL	10	8.89	9.33	19.0	17.0
BCIHF1770-150M-NL	15	13.7	14.4	14.0	12.0
BCIHF1770-220M-NL	22	20.0	21.0	12.0	9.5
BCIHF1770-330M-NL	33	35.1	37.0	10.7	9.0
BCIHF1770-470M-NL	47	40.7	42.7	8.7	8.6
BCIHF1770-560M-NL	56	55.0	57.8	7.2	4.2
BCIHF1770-680M-NL	68	72.1	75.7	6.1	4.5
BCIHF1770-820M-NL	82	87.3	91.7	5.5	4.5
BCIHF1770-101M-NL	100	105.0	110.0	5.0	4.0

1. Operating Temperature Range: -55°C to +125°C
2. Typical heat Rating DC Current would cause an approximately Δ T of 40°C
3. Typical saturation DC Current would cause Lo to drop approximately 30%.
4. All test data is referenced to 25°C ambient.
5. Tolerance of inductance : M= + - 20%, N= + -20%_