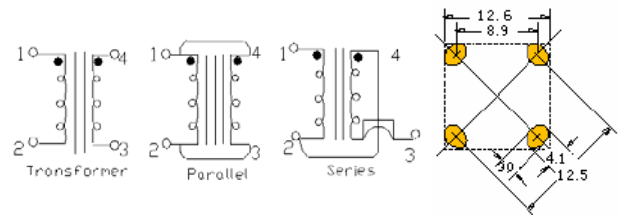
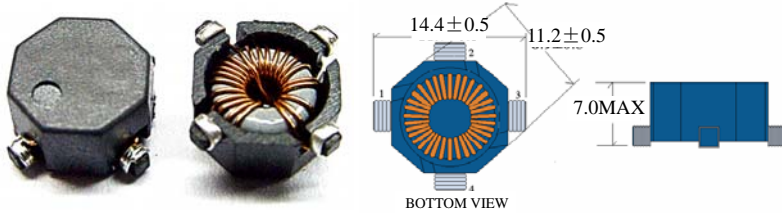


**SMD POWER INDUCTORS SMD 功率電感**  
**BCX147 TYPE**



- Features
  1. Maximum Power Density
  2. Engineered to Provide High Efficiency through Toroidal Design

- 特點
  1. 最大限度的能量密度.
  2. 通過環形設計實現高效能.

- Applications
  1. 1:1 Coupled Inductors and 1:1 Isolation Transformers
  2. Low EMI Radiation
  3. Models Available for Full Load Current Range of 0.62 to 7.0 ADC
  4. Available in Tape-and-Reel Packaging for Pick and-Place Utilization.

- 應用
  1. 1:1 耦合電感. 1:1 的絕緣變壓設計.
  2. 低 EMI 輻射.
  3. 適合 0.62 to 7.0ADC 的負載電流要求.
  4. 適用卷帶包裝設計適合自動整合裝置.

**ELECTRICAL CHARACTERISTICS FOR 電氣特性**  
**BCX147 SERIES**

Part Number	PARALLEL(並聯)				SERIES(串聯)			
	Open Circuit Inductance 開路電感 uH+/-20%	Full Load Inductance 全負荷電感 uH min	Full Load Current Adc 全負荷電流	DC Resistance ohms max. 直流電阻	Open Circuit Inductance 開路電感 uH+/-20%	Full Load Inductance 全負荷電感 uH min	Full Load Current Adc 全負荷電流	DC Resistance ohms max. 直流電阻
BCX147-0R47	0.47	0.32	7.00	0.004	1.76	1.29	3.50	0.016
BCX147-0R8	0.8	0.55	6.00	0.005	3.14	2.21	3.00	0.020
BCX147-1R2	1.2	0.85	5.50	0.006	4.90	3.41	2.50	0.024
BCX147-1R8	1.8	1.06	5.00	0.007	7.06	4.24	2.95	0.028
BCX147-5R0	5.0	2.59	4.40	0.014	19.60	10.37	2.20	0.056
BCX147-8R0	8.0	4.29	3.50	0.019	33.12	17.14	1.75	0.073
BCX147-100	10	4.82	3.40	0.020	38.42	19.28	1.70	0.079
BCX147-150	15	6.76	3.00	0.024	56.64	27.03	1.50	0.096
BCX147-200	20	10.68	2.10	0.055	78.40	42.73	1.05	0.220
BCX147-250	25	13.32	2.00	0.064	103.68	53.27	1.00	0.254
BCX147-330	33	16.82	1.80	0.072	132.50	67.27	0.90	0.288
BCX147-500	50	25.03	1.50	0.111	200.70	100.11	0.75	0.444
BCX147-680	68	35.29	1.20	0.158	268.32	141.15	0.60	0.630
BCX147-101	100	54.56	0.92	0.303	396.90	218.25	0.46	1.210
BCX147-151	150	77.17	0.82	0.372	592.90	308.69	0.41	1.488
BCX147-201	200	111.08	0.64	0.545	802.82	444.32	0.32	2.180
BCX147-301	300	147.92	0.62	0.672	1192.46	591.66	0.31	2.687

- (1). Open Circuit Inductance Test Parameters:100KHZ,0.250V  
Parallel: (1,4-3,2) Series:(1-3)tie(2-4).
- (2). RMS current, delta temp. of 40°C ambient temperature of 85°C.
- (3). Peak current for approximately 30% roll-off.
- (4). Hi-pot rating: winding to winding: 300Vdc min.
- (5). Turns Ratio:(1-2) : (4-3) 1:1

- (1).開路電感測試參數：100KHZ,0.250V  
並聯(1,4-3,2) 串聯:(1-3)和(2-4).
- (2).RMS 電流:溫升變化為 40°C，環境溫度為 85°C.
- (3).峰值電流下約有 30%的電感下滑.
- (4).高壓額度:線圈對線圈 300Vdc 最小.
- (5).圈數比：(1-2) : (4-3) 1:1.