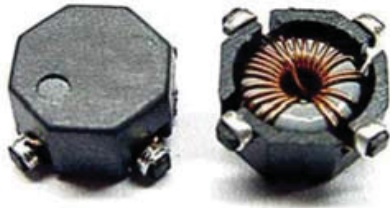




OWIX147 TYPE

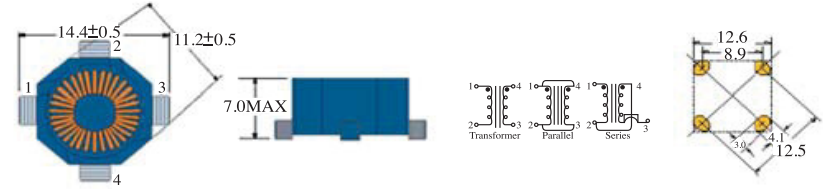


FEATURES

- 1. Maximum power Density
- 2. Engineered to Provide High Efficiency through Toridal Design.

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 7.0ADC
- 4. Available in tape-and Reel Packaging for Pick and-Place Utilization.



ELECTRICAL CHARACTERISTICS FOR OWIX147 SERIES

Part Number	PARALLEL				SERIES			
	Open Circuit Inductance $\mu\text{H}\pm 20\%$	Full Load Inductance $\mu\text{H min}$	Full Load Current Adc	DC Resistance ohms max.	Open Circuit Inductance $\mu\text{H}\pm 20\%$	Full Load Inductance $\mu\text{H min}$	Full Load Current Adc	DC Resistance ohms max.
OWIX147-0R47	0.47	0.32	7.00	0.004	1.76	1.29	3.50	0.016
OWIX147-0R8	0.8	0.55	6.00	0.005	3.14	2.21	3.00	0.020
OWIX147-1R2	1.2	0.85	5.50	0.006	4.90	3.41	2.50	0.024
OWIX147-1R8	1.8	1.06	5.00	0.007	7.06	4.24	2.95	0.028
OWIX147-5R0	5.0	2.59	4.40	0.014	19.60	10.37	2.20	0.056
OWIX147-8R0	8.0	4.29	3.50	0.019	33.12	17.14	1.75	0.073
OWIX147-100	10	4.82	3.40	0.020	38.42	19.28	1.70	0.079
OWIX147-150	15	6.76	3.00	0.024	56.64	27.03	1.50	0.096
OWIX147-200	20	10.68	2.10	0.055	78.40	42.73	1.05	0.220
OWIX147-250	25	13.32	2.00	0.064	103.68	53.27	1.00	0.254
OWIX147-330	33	16.82	1.80	0.072	132.50	67.27	0.90	0.288
OWIX147-500	50	25.03	1.50	0.111	200.70	100.11	0.75	0.444
OWIX147-680	68	35.29	1.20	0.158	268.32	141.15	0.60	0.630
OWIX147-101	100	54.56	0.92	0.303	396.90	218.25	0.46	1.210
OWIX147-151	150	77.17	0.82	0.372	592.90	308.69	0.41	1.488
OWIX147-201	200	111.08	0.64	0.545	802.82	444.32	0.32	2.180
OWIX147-301	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