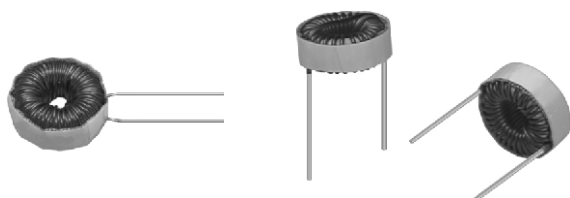


Inductors, Toroid, High Current, Radial Leaded



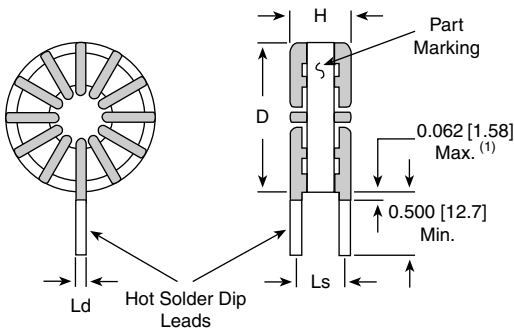
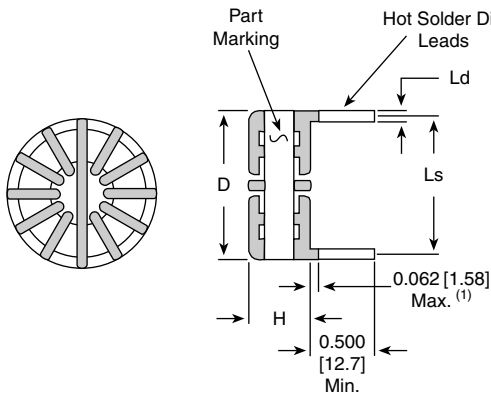
FEATURES

- Printed circuit mounting
- Wide range of inductance and current ratings
- Toroid design reduces EMI
- Vertical or horizontal mounting to optimize P.C. board layout
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912


RoHS
COMPLIANT

APPLICATION

Switching power supplies, EMI/RFI filtering, output chokes

DIMENSIONS in inches [millimeters]									
VERTICAL MOUNT (MOUNTING/COATING CODE - 1U)					HORIZONTAL MOUNT (MOUNTING/COATING CODE - 2U)				
									
MODEL	DIAMETER (D) (max.)	HEIGHT (H) (max.)	NOM. LEAD SPACING (Ls)	NOM. LEAD DIAMETER (Ld)	MODEL	DIAMETER (D) (max.)	HEIGHT (H) (max.)	NOM. LEAD SPACING (Ls)	NOM. LEAD DIAMETER (Ld)
TJ3	0.65 [16.5]	0.30 [7.6]	0.26 ± 0.04 [6.60 ± 1.02]	see TJ3 data	TJ3	0.66 [16.8]	0.32 [8.1]	0.58 ± 0.08 [14.7 ± 2.03]	see TJ3 data
TJ4	0.88 [22.4]	0.40 [10.2]	0.31 ± 0.09 [7.87 ± 2.29]	see TJ4 data	TJ4	0.88 [22.4]	0.40 [10.2]	0.78 ± 0.10 [19.8 ± 2.54]	see TJ4 data
TJ5	1.00 [25.4]	0.45 [11.4]	0.37 ± 0.08 [9.40 ± 2.03]	see TJ5 data	TJ5	1.00 [25.4]	0.45 [11.4]	0.90 ± 0.10 [22.9 ± 2.54]	see TJ5 data
TJ6	1.38 [35.1]	0.83 [21.1]	0.73 ± 0.10 [18.5 ± 2.54]	see TJ6 data	TJ6	1.38 [35.1]	0.83 [21.1]	1.22 ± 0.16 [31.0 ± 4.06]	see TJ6 data
TJ7	1.65 [41.9]	0.75 [19.1]	0.62 ± 0.13 [15.8 ± 3.30]	see TJ7 data	TJ7	1.65 [41.9]	0.75 [19.1]	1.48 ± 0.17 [37.6 ± 4.32]	see TJ7 data
TJ8	1.92 [48.8]	1.00 [25.4]	0.82 ± 0.18 [20.8 ± 4.57]	see TJ8 data	TJ8	1.94 [49.3]	1.00 [25.4]	1.76 ± 0.18 [44.7 ± 4.57]	see TJ8 data
TJ9	2.66 [67.6]	1.42 [36.1]	1.25 ± 0.17 [31.8 ± 4.32]	see TJ9 data	TJ9	2.72 [69.1]	1.42 [36.1]	2.49 ± 0.23 [63.2 ± 5.84]	see TJ9 data

Notes

- On larger units and units with finer wire, additional mechanical mounting is recommended.
- (1) Leads stripped to within 0.062" [1.58 mm] of the coil.

ENVIRONMENTAL PERFORMANCE		
TEST	CONDITIONS	SPECIFICATIONS
Thermal Shock	Test condition B1	MIL-STD-202, method 107
Resistance to Soldering Heat	-	MIL-STD-202, method 210
Solderability	-	MIL-STD-202, method 208

**ELECTRICAL SPECIFICATION RANGES**

MODEL	INDUCTANCE RANGE (μ H) ⁽¹⁾	DC RESISTANCE RANGE (Ω) ⁽²⁾	RATED CURRENT RANGE (A) ⁽³⁾
TJ3	1.2 to 1500	0.006 to 1.476	10.0 to 0.5
TJ4	1.2 to 1500	0.006 to 0.952	10.7 to 0.9
TJ5	1.2 to 1500	0.006 to 0.539	10.1 to 1.3
TJ6	1.2 to 2700	0.004 to 0.499	16.0 to 2.0
TJ7	1.2 to 2700	0.005 to 0.359	16.0 to 2.7
TJ8	1.5 to 3900	0.005 to 0.304	18.5 to 3.2
TJ9	1.5 to 5600	0.004 to 0.224	20.0 to 5.0

Notes

- Operating temperature range: -55 °C to +125 °C

(1) Measured at 0.25 V_{RMS} at 10 kHz

(2) DC resistance measured at + 25 °C \pm 5 °C

(3) Maximum continuous operating current based on a calculated temperature rise of 40 °C

STANDARD ELECTRICAL SPECIFICATIONS in inches [millimeters]

MODEL	IND. (μ H)	TOL. (%)	DCR NOM. (Ω)	RATED DC CURRENT (A)	IND. NOM. AT 0 DCA (μ H)	INDUCTANCE SHIFT WITH DC CURRENT ⁽¹⁾								LEAD DIAMETER "A"
						10 % CURRENT (A)	IND. MIN. (μ H)	20 % CURRENT (A)	IND. MIN. (μ H)	30 % CURRENT (A)	IND. MIN. (μ H)	40 % CURRENT (A)	IND. MIN. (μ H)	
TJ3-XX	1.2	\pm 20	0.006	10.0	1.19	5.50	0.91	8.88	0.81	12.69	0.71	16.50	0.61	0.032 [0.813]
TJ3-XX	1.5	\pm 20	0.006	9.5	1.62	4.71	1.24	7.62	1.10	10.88	0.96	14.14	0.82	0.032 [0.813]
TJ3-XX	2.2	\pm 15	0.007	9.0	2.11	4.13	1.62	6.66	1.44	9.52	1.26	12.38	1.08	0.032 [0.813]
TJ3-XX	2.7	\pm 15	0.008	8.4	2.67	3.67	2.04	5.92	1.82	8.46	1.59	11.00	1.36	0.032 [0.813]
TJ3-XX	3.3	\pm 15	0.008	8.2	3.30	3.30	2.52	5.33	2.24	7.62	1.96	9.90	1.68	0.032 [0.813]
TJ3-XX	3.9	\pm 15	0.009	7.9	3.99	3.00	3.05	4.85	2.72	6.92	2.38	9.00	2.04	0.032 [0.813]
TJ3-XX	4.7	\pm 15	0.010	7.5	4.75	2.75	3.64	4.44	3.23	6.35	2.83	8.25	2.42	0.032 [0.813]
TJ3-XX	5.6	\pm 15	0.011	7.3	5.58	2.54	4.27	4.10	3.79	5.86	3.32	7.62	2.84	0.032 [0.813]
TJ3-XX	6.8	\pm 15	0.011	7.1	6.47	2.36	4.95	3.81	4.40	5.44	3.85	7.07	3.30	0.032 [0.813]
TJ3-XX	8.2	\pm 15	0.013	6.6	8.45	2.06	6.46	3.33	5.74	4.76	5.03	6.19	4.31	0.032 [0.813]
TJ3-XX	10.0	\pm 15	0.013	6.5	9.54	1.94	7.30	3.14	6.49	4.48	5.67	5.82	4.86	0.032 [0.813]
TJ3-XX	12.0	\pm 15	0.015	6.1	11.91	1.74	9.11	2.81	8.10	4.01	7.09	5.21	6.08	0.032 [0.813]
TJ3-XX	15.0	\pm 15	0.016	5.9	14.55	1.57	11.13	2.54	9.90	3.63	8.66	4.71	7.42	0.032 [0.813]
TJ3-XX	18.0	\pm 15	0.017	5.6	17.46	1.43	13.35	2.32	11.87	3.31	10.39	4.30	8.90	0.032 [0.813]
TJ3-XX	22.0	\pm 15	0.024	4.6	22.31	1.27	17.07	2.05	15.17	2.93	13.27	3.81	11.38	0.029 [0.737]
TJ3-XX	27.0	\pm 15	0.026	4.4	27.75	1.14	21.23	1.84	18.87	2.63	16.51	3.41	14.15	0.029 [0.737]
TJ3-XX	33.0	\pm 15	0.029	4.3	33.79	1.03	25.85	1.67	22.98	2.38	20.11	3.09	17.23	0.029 [0.737]
TJ3-XX	39.0	\pm 15	0.038	3.7	38.15	0.97	29.18	1.57	25.94	2.24	22.70	2.91	19.46	0.025 [0.635]
TJ3-XX	47.0	\pm 15	0.043	3.5	47.65	0.87	36.45	1.40	32.40	2.00	28.35	2.61	24.30	0.025 [0.635]
TJ3-XX	56.0	\pm 15	0.057	3.1	55.47	0.80	42.44	1.30	37.72	1.86	33.01	2.41	28.29	0.023 [0.584]
TJ3-XX	68.0	\pm 15	0.063	3.0	66.83	0.73	51.12	1.18	45.44	1.69	39.76	2.20	34.08	0.023 [0.584]
TJ3-XX	82.0	\pm 15	0.087	2.6	82.50	0.66	63.11	1.07	56.10	1.52	49.09	1.98	42.08	0.020 [0.508]
TJ3-XX	100.0	\pm 15	0.097	2.4	99.83	0.60	76.37	0.97	67.88	1.38	59.40	1.80	50.91	0.020 [0.508]
TJ3-XX	120.0	\pm 15	0.107	2.3	118.80	0.55	90.88	0.89	80.78	1.27	70.69	1.65	60.59	0.020 [0.508]
TJ3-XX	150.0	\pm 15	0.146	1.9	148.14	0.49	113.32	0.80	100.73	1.14	88.14	1.48	75.55	0.018 [0.457]
TJ3-XX	180.0	\pm 15	0.164	1.8	180.71	0.45	138.24	0.72	122.88	1.03	107.52	1.34	92.16	0.018 [0.457]
TJ3-XX	220.0	\pm 15	0.225	1.5	221.89	0.40	169.75	0.65	150.89	0.93	132.03	1.21	113.16	0.016 [0.406]
TJ3-XX	270.0	\pm 15	0.250	1.4	267.30	0.37	204.48	0.59	181.76	0.85	159.04	1.10	136.32	0.016 [0.406]
TJ3-XX	330.0	\pm 15	0.342	1.2	330.00	0.33	252.45	0.53	224.40	0.76	196.35	0.99	168.30	0.014 [0.356]
TJ3-XX	390.0	\pm 15	0.378	1.1	392.07	0.30	299.94	0.49	266.61	0.70	233.28	0.91	199.96	0.014 [0.356]
TJ3-XX	470.0	\pm 15	0.510	1.0	467.31	0.28	357.49	0.45	317.77	0.64	278.05	0.83	238.33	0.013 [0.330]
TJ3-XX	560.0	\pm 15	0.565	0.9	557.70	0.25	426.64	0.41	379.24	0.59	331.83	0.76	284.43	0.013 [0.330]
TJ3-XX	680.0	\pm 15	0.637	0.8	684.29	0.23	523.48	0.37	465.32	0.53	407.15	0.69	348.99	0.013 [0.330]
TJ3-XX	820.0	\pm 15	0.849	0.7	823.81	0.21	630.22	0.34	560.19	0.48	490.17	0.63	420.14	0.011 [0.279]
TJ3-XX	1000.0	\pm 15	0.951	0.7	999.11	0.19	764.32	0.31	679.39	0.44	594.47	0.57	509.55	0.011 [0.279]
TJ3-XX	1200.0	\pm 15	1.298	0.6	1203.87	0.17	920.96	0.28	818.63	0.40	716.30	0.52	613.98	0.010 [0.254]
TJ3-XX	1500.0	\pm 15	1.476	0.5	1497.18	0.15	1145.34	0.25	1018.08	0.36	890.82	0.46	763.56	0.010 [0.254]

Note

- The DC current values listed are typical values that drop the nominal inductance by the percent listed.

**STANDARD ELECTRICAL SPECIFICATIONS** in inches [millimeters]

MODEL	IND. (μ H)	TOL. (%)	DCR NOM. (Ω)	RATED DC CURRENT (A)	IND. NOM. AT 0 DCA (μ H)	INDUCTANCE SHIFT WITH DC CURRENT ⁽¹⁾								LEAD DIAMETER "A"
						10 % CURRENT (A)	IND. MIN. (μ H)	20 % CURRENT (A)	IND. MIN. (μ H)	30 % CURRENT (A)	IND. MIN. (μ H)	40 % CURRENT (A)	IND. MIN. (μ H)	
TJ4-XX	1.2	± 20	0.006	10.7	1.09	8.75	0.83	14.14	0.74	20.20	0.65	26.26	0.55	0.032 [0.813]
TJ4-XX	1.5	± 20	0.006	10.2	1.57	7.29	1.20	11.78	1.06	16.83	0.93	21.88	0.80	0.032 [0.813]
TJ4-XX	2.2	± 15	0.007	9.7	2.13	6.25	1.63	10.10	1.45	14.43	1.27	18.75	1.09	0.032 [0.813]
TJ4-XX	2.7	± 15	0.008	9.5	2.78	5.47	2.13	8.84	1.89	12.62	1.66	16.41	1.42	0.032 [0.813]
TJ4-XX	3.3	± 20	0.009	8.8	3.52	4.86	2.70	7.85	2.40	11.22	2.10	14.59	1.80	0.032 [0.813]
TJ4-XX	4.7	± 20	0.010	8.5	4.35	4.38	3.33	7.07	2.96	10.10	2.59	13.13	2.22	0.032 [0.813]
TJ4-XX	5.6	± 20	0.010	8.3	5.26	3.98	4.03	6.43	3.58	9.18	3.13	11.93	2.68	0.032 [0.813]
TJ4-XX	6.8	± 20	0.011	8.1	6.26	3.65	4.79	5.89	4.26	8.42	3.73	10.94	3.19	0.032 [0.813]
TJ4-XX	8.2	± 15	0.013	7.8	8.53	3.13	6.52	5.05	5.80	7.21	5.07	9.38	4.35	0.032 [0.813]
TJ4-XX	10.0	± 15	0.013	7.4	9.79	2.92	7.49	4.71	6.66	6.73	5.82	8.75	4.99	0.032 [0.813]
TJ4-XX	12.0	± 20	0.015	7.1	12.57	2.57	9.62	4.16	8.55	5.94	7.48	7.72	6.41	0.032 [0.813]
TJ4-XX	15.0	± 20	0.017	6.8	15.70	2.30	12.01	3.72	10.68	5.31	9.34	6.91	8.01	0.032 [0.813]
TJ4-XX	18.0	± 15	0.017	6.7	17.40	2.19	13.31	3.53	11.83	5.05	10.35	6.56	8.87	0.032 [0.813]
TJ4-XX	22.0	± 15	0.019	6.5	21.05	1.99	16.11	3.21	14.32	4.59	12.53	5.97	10.74	0.032 [0.813]
TJ4-XX	27.0	± 15	0.021	6.1	27.19	1.75	20.80	2.83	18.49	4.04	16.18	5.25	13.87	0.032 [0.813]
TJ4-XX	33.0	± 15	0.024	5.8	34.10	1.56	26.09	2.52	23.19	3.61	20.29	4.69	17.39	0.032 [0.813]
TJ4-XX	39.0	± 15	0.025	5.7	39.15	1.46	29.95	2.36	26.62	3.37	23.29	4.38	19.97	0.032 [0.813]
TJ4-XX	47.0	± 15	0.028	5.5	47.37	1.33	36.24	2.14	32.21	3.06	28.19	3.98	24.16	0.032 [0.813]
TJ4-XX	56.0	± 15	0.031	5.2	56.38	1.22	43.13	1.96	38.34	2.81	33.54	3.65	28.75	0.032 [0.813]
TJ4-XX	68.0	± 15	0.040	4.6	66.16	1.12	50.62	1.81	44.99	2.59	39.37	3.37	33.74	0.029 [0.737]
TJ4-XX	82.0	± 15	0.045	4.4	80.43	1.02	61.53	1.64	54.69	2.35	47.86	3.05	41.02	0.029 [0.737]
TJ4-XX	100.0	± 15	0.062	3.7	100.22	0.91	76.67	1.47	68.15	2.10	59.63	2.73	51.11	0.025 [0.635]
TJ4-XX	120.0	± 15	0.070	3.5	122.19	0.83	93.48	1.33	83.09	1.91	72.70	2.48	62.32	0.025 [0.635]
TJ4-XX	150.0	± 15	0.079	3.3	151.42	0.74	115.84	1.20	102.97	1.71	90.10	2.23	77.23	0.025 [0.635]
TJ4-XX	180.0	± 15	0.105	2.9	178.18	0.68	136.30	1.10	121.16	1.58	106.01	2.05	90.87	0.023 [0.584]
TJ4-XX	220.0	± 15	0.118	2.7	219.28	0.62	167.75	1.00	149.11	1.42	130.47	1.85	111.83	0.023 [0.584]
TJ4-XX	270.0	± 15	0.162	2.3	271.48	0.55	207.68	0.89	184.61	1.28	161.53	1.66	138.46	0.020 [0.508]
TJ4-XX	330.0	± 15	0.181	2.2	329.25	0.50	251.88	0.81	223.89	1.16	195.90	1.51	167.92	0.020 [0.508]
TJ4-XX	390.0	± 15	0.243	1.9	392.59	0.46	300.33	0.74	266.96	1.06	233.59	1.38	200.22	0.018 [0.457]
TJ4-XX	470.0	± 15	0.269	1.8	470.50	0.42	359.93	0.68	319.94	0.97	279.95	1.26	239.95	0.018 [0.457]
TJ4-XX	560.0	± 15	0.297	1.7	555.45	0.39	424.92	0.63	377.71	0.89	330.49	1.16	283.28	0.018 [0.457]
TJ4-XX	680.0	± 15	0.406	1.4	679.69	0.35	519.96	0.57	462.19	0.81	404.41	1.05	346.64	0.016 [0.406]
TJ4-XX	820.0	± 15	0.452	1.3	816.45	0.32	624.59	0.52	555.19	0.74	485.79	0.96	416.39	0.016 [0.406]
TJ4-XX	1000.0	± 15	0.617	1.1	1005.02	0.29	768.84	0.47	683.42	0.66	597.99	0.86	512.56	0.014 [0.356]
TJ4-XX	1200.0	± 15	0.684	1.0	1198.69	0.26	916.99	0.43	815.11	0.61	713.22	0.79	611.33	0.014 [0.356]
TJ4-XX	1500.0	± 15	0.952	0.9	1504.93	0.24	1151.27	0.38	1023.35	0.54	895.43	0.71	767.51	0.013 [0.330]
TJ5-XX	1.2	± 20	0.006	10.1	1.15	10.63	0.88	17.18	0.78	24.54	0.68	31.90	0.59	0.032 [0.813]
TJ5-XX	1.5	± 25	0.007	9.5	1.66	8.86	1.27	14.32	1.13	20.45	0.99	26.59	0.84	0.032 [0.813]
TJ5-XX	2.2	± 15	0.008	9.0	2.25	7.60	1.72	12.27	1.53	17.53	1.34	22.79	1.15	0.032 [0.813]
TJ5-XX	2.7	± 25	0.009	8.6	2.94	6.65	2.25	10.74	2.00	15.34	1.75	19.94	1.50	0.032 [0.813]
TJ5-XX	3.9	± 15	0.010	8.2	3.73	5.91	2.85	9.54	2.53	13.63	2.22	17.72	1.90	0.032 [0.813]
TJ5-XX	4.7	± 15	0.010	7.9	4.60	5.32	3.52	8.59	3.13	12.27	2.74	15.95	2.35	0.032 [0.813]
TJ5-XX	5.6	± 15	0.011	7.7	5.57	4.83	4.26	7.81	3.78	11.16	3.31	14.50	2.84	0.032 [0.813]
TJ5-XX	6.8	± 15	0.012	7.5	6.62	4.43	5.07	7.16	4.50	10.23	3.94	13.29	3.38	0.032 [0.813]
TJ5-XX	8.2	± 15	0.013	7.3	7.77	4.09	5.95	6.61	5.29	9.44	4.63	12.27	3.96	0.032 [0.813]
TJ5-XX	10.0	± 15	0.015	7.0	10.35	3.54	7.92	5.73	7.04	8.18	6.16	10.63	5.28	0.032 [0.813]
TJ5-XX	12.0	± 15	0.016	6.9	11.78	3.32	9.01	5.37	8.01	7.67	7.01	9.97	6.01	0.032 [0.813]
TJ5-XX	15.0	± 15	0.017	6.6	14.90	2.95	11.40	4.77	10.13	6.82	8.87	8.86	7.60	0.032 [0.813]
TJ5-XX	18.0	± 15	0.019	6.4	18.40	2.66	14.08	4.29	12.51	6.14	10.95	7.98	9.38	0.032 [0.813]
TJ5-XX	22.0	± 15	0.021	6.2	22.26	2.42	17.03	3.90	15.14	5.58	13.25	7.25	11.35	0.032 [0.813]
TJ5-XX	27.0	± 15	0.023	6.0	26.50	2.22	20.27	3.58	18.02	5.11	15.77	6.65	13.51	0.032 [0.813]
TJ5-XX	33.0	± 15	0.025	5.7	33.53	1.97	25.65	3.18	22.80	4.54	19.95	5.91	17.10	0.032 [0.813]
TJ5-XX	39.0	± 15	0.027	5.5	38.69	1.83	29.59	2.96	26.31	4.23	23.02	5.50	19.73	0.032 [0.813]
TJ5-XX	47.0	± 15	0.029	5.3	47.10	1.66	36.03	2.68	32.03	3.83	28.03	4.99	24.02	0.032 [0.813]

Note

- The DC current values listed are typical values that drop the nominal inductance by the percent listed.

**STANDARD ELECTRICAL SPECIFICATIONS** in inches [millimeters]

MODEL	IND. (μ H)	TOL. (%)	DCR NOM. (Ω)	RATED DC CURRENT (A)	IND. NOM. AT 0 DCA (μ H)	INDUCTANCE SHIFT WITH DC CURRENT ⁽¹⁾								LEAD DIAMETER "A"
						10 % CURRENT (A)	IND. MIN. (μ H)	20 % CURRENT (A)	IND. MIN. (μ H)	30 % CURRENT (A)	IND. MIN. (μ H)	40 % CURRENT (A)	IND. MIN. (μ H)	
TJ5-XX	56.0	± 15	0.032	5.2	56.35	1.52	43.11	2.45	38.32	3.51	33.53	4.56	28.74	0.032 [0.813]
TJ5-XX	68.0	± 15	0.035	5.1	66.42	1.40	50.81	2.26	45.17	3.23	39.52	4.20	33.88	0.032 [0.813]
TJ5-XX	82.0	± 15	0.038	5.0	81.14	1.27	62.08	2.05	55.18	2.92	48.28	3.80	41.38	0.032 [0.813]
TJ5-XX	100.0	± 15	0.042	4.9	97.34	1.16	74.46	1.87	66.19	2.67	57.91	3.47	49.64	0.032 [0.813]
TJ5-XX	120.0	± 15	0.047	4.8	119.65	1.04	91.53	1.68	81.36	2.41	71.19	3.13	61.02	0.032 [0.813]
TJ5-XX	150.0	± 15	0.054	4.7	149.45	0.93	114.33	1.51	101.63	2.15	88.93	2.80	76.22	0.032 [0.813]
TJ5-XX	180.0	± 15	0.060	4.6	182.57	0.84	139.67	1.36	124.15	1.95	108.63	2.53	93.11	0.032 [0.813]
TJ5-XX	220.0	± 15	0.067	4.2	219.01	0.77	167.54	1.24	148.92	1.78	130.31	2.31	111.69	0.032 [0.813]
TJ5-XX	270.0	± 15	0.092	3.7	272.73	0.69	208.64	1.12	185.46	1.59	162.28	2.07	139.09	0.029 [0.737]
TJ5-XX	330.0	± 15	0.104	3.5	332.35	0.63	254.25	1.01	226.00	1.44	197.75	1.88	169.50	0.029 [0.737]
TJ5-XX	390.0	± 15	0.138	2.9	389.34	0.58	297.85	0.93	264.75	1.33	231.66	1.73	198.57	0.025 [0.635]
TJ5-XX	470.0	± 15	0.154	2.8	469.25	0.53	358.97	0.85	319.09	1.21	279.20	1.58	239.32	0.025 [0.635]
TJ5-XX	560.0	± 15	0.205	2.3	556.60	0.48	425.80	0.78	378.49	1.12	331.18	1.45	283.87	0.023 [0.584]
TJ5-XX	680.0	± 15	0.232	2.2	684.66	0.44	523.77	0.70	465.57	1.01	407.38	1.31	349.18	0.023 [0.584]
TJ5-XX	820.0	± 15	0.260	2.1	825.98	0.40	631.87	0.64	561.66	0.92	491.46	1.19	421.25	0.023 [0.584]
TJ5-XX	1000.0	± 15	0.349	1.7	994.01	0.36	760.42	0.58	675.93	0.83	591.44	1.09	506.95	0.020 [0.508]
TJ5-XX	1200.0	± 15	0.393	1.6	1207.22	0.33	923.53	0.53	820.91	0.76	718.30	0.98	615.68	0.020 [0.508]
TJ5-XX	1500.0	± 15	0.539	1.3	1507.01	0.29	1152.86	0.47	1024.76	0.68	896.67	0.88	768.57	0.018 [0.457]
TJ6-XX	1.2	± 20	0.004	16.0	1.12	22.38	0.85	36.15	0.76	51.65	0.66	67.14	0.57	0.045 [1.14]
TJ6-XX	2.2	± 20	0.005	16.0	1.98	16.78	1.52	27.11	1.35	38.73	1.18	50.35	1.01	0.045 [1.14]
TJ6-XX	3.3	± 20	0.006	16.0	3.10	13.43	2.37	21.69	2.11	30.99	1.84	40.28	1.58	0.045 [1.14]
TJ6-XX	4.7	± 15	0.007	16.0	4.46	11.19	3.41	18.08	3.04	25.82	2.66	33.57	2.28	0.045 [1.14]
TJ6-XX	5.6	± 25	0.007	16.0	6.08	9.59	4.65	15.49	4.13	22.13	3.62	28.77	3.10	0.045 [1.14]
TJ6-XX	8.2	± 15	0.008	15.2	7.94	8.39	6.07	13.56	5.40	19.37	4.72	25.18	4.05	0.045 [1.14]
TJ6-XX	10.0	± 15	0.009	14.5	10.04	7.46	7.68	12.05	6.83	17.22	5.98	22.38	5.12	0.045 [1.14]
TJ6-XX	12.0	± 15	0.010	13.9	12.40	6.71	9.49	10.85	8.43	15.49	7.38	20.14	6.32	0.045 [1.14]
TJ6-XX	15.0	± 15	0.011	13.3	15.00	6.10	11.48	9.86	10.20	14.09	8.93	18.31	7.65	0.045 [1.14]
TJ6-XX	18.0	± 15	0.012	12.7	17.86	5.59	13.66	9.04	12.14	12.91	10.62	16.78	9.11	0.045 [1.14]
TJ6-XX	22.0	± 15	0.012	12.5	20.96	5.16	16.03	8.34	14.25	11.92	12.47	15.49	10.69	0.045 [1.14]
TJ6-XX	27.0	± 15	0.014	11.8	27.90	4.48	21.34	7.23	18.97	10.33	16.60	13.43	14.23	0.045 [1.14]
TJ6-XX	33.0	± 15	0.015	11.5	31.74	4.20	24.28	6.78	21.59	9.68	18.89	12.59	16.19	0.045 [1.14]
TJ6-XX	39.0	± 15	0.017	11.0	40.18	3.73	30.73	6.03	27.32	8.61	23.90	11.19	20.49	0.045 [1.14]
TJ6-XX	47.0	± 15	0.017	10.7	44.76	3.53	34.24	5.71	30.44	8.15	26.63	10.60	22.83	0.045 [1.14]
TJ6-XX	56.0	± 15	0.019	10.4	54.68	3.20	41.83	5.16	37.19	7.38	32.54	9.59	27.89	0.045 [1.14]
TJ6-XX	68.0	± 15	0.021	10.0	65.60	2.92	50.18	4.72	44.61	6.74	39.03	8.76	33.45	0.045 [1.14]
TJ6-XX	82.0	± 15	0.023	9.5	83.82	2.58	64.13	4.17	57.00	5.96	49.88	7.75	42.75	0.045 [1.14]
TJ6-XX	100.0	± 15	0.025	9.2	97.22	2.40	74.37	3.87	66.11	5.53	57.84	7.19	49.58	0.045 [1.14]
TJ6-XX	120.0	± 15	0.027	8.8	119.16	2.17	91.16	3.50	81.03	5.00	70.90	6.50	60.77	0.045 [1.14]
TJ6-XX	150.0	± 15	0.031	8.6	151.90	1.92	116.20	3.10	103.29	4.43	90.38	5.75	77.47	0.045 [1.14]
TJ6-XX	180.0	± 15	0.033	8.5	179.06	1.77	136.98	2.85	121.76	4.08	106.54	5.30	91.32	0.045 [1.14]
TJ6-XX	220.0	± 15	0.037	8.4	218.74	1.60	167.33	2.58	148.74	3.69	130.15	4.80	111.56	0.045 [1.14]
TJ6-XX	270.0	± 15	0.058	7.4	273.92	1.43	209.55	2.31	186.26	3.30	162.98	4.29	139.70	0.040 [1.02]
TJ6-XX	330.0	± 15	0.065	7.0	335.30	1.29	256.50	2.09	228.00	2.98	199.50	3.87	171.00	0.040 [1.02]
TJ6-XX	390.0	± 15	0.070	6.7	388.86	1.20	297.48	1.94	264.43	2.77	231.37	3.60	198.32	0.040 [1.02]
TJ6-XX	470.0	± 15	0.101	5.5	476.66	1.08	364.64	1.75	324.13	2.50	283.61	3.25	243.09	0.036 [0.914]
TJ6-XX	560.0	± 15	0.110	5.3	556.64	1.00	425.83	1.62	378.51	2.31	331.20	3.01	283.88	0.036 [0.914]
TJ6-XX	680.0	± 15	0.129	4.4	679.02	0.91	519.45	1.47	461.74	2.09	404.02	2.72	346.30	0.032 [0.813]
TJ6-XX	820.0	± 15	0.143	4.2	813.56	0.83	622.38	1.34	553.22	1.91	484.07	2.49	414.92	0.032 [0.813]
TJ6-XX	1000.0	± 15	0.160	4.0	1004.40	0.75	768.37	1.21	682.99	1.72	597.62	2.24	512.24	0.032 [0.813]
TJ6-XX	1200.0	± 15	0.209	3.3	1190.90	0.69	911.04	1.11	809.81	1.58	708.58	2.06	607.36	0.029 [0.737]
TJ6-XX	1500.0	± 15	0.238	3.1	1500.40	0.61	1147.81	0.99	1020.27	1.41	892.74	1.83	765.20	0.029 [0.737]
TJ6-XX	1800.0	± 15	0.323	2.6	1785.60	0.56	1365.98	0.90	1214.21	1.29	1062.43	1.68	910.66	0.025 [0.635]
TJ6-XX	2200.0	± 15	0.363	2.5	2193.44	0.50	1677.98	0.82	1491.54	1.16	1305.09	1.51	1118.65	0.025 [0.635]
TJ6-XX	2700.0	± 15	0.499	2.0	2716.10	0.45	2077.81	0.73	1846.95	1.05	1616.08	1.36	1385.21	0.023 [0.584]

Note

- The DC current values listed are typical values that drop the nominal inductance by the percent listed.

**STANDARD ELECTRICAL SPECIFICATIONS** in inches [millimeters]

MODEL	IND. (μ H)	TOL. (%)	DCR NOM. (Ω)	RATED DC CURRENT (A)	IND. NOM. AT 0 DCA (μ H)	INDUCTANCE SHIFT WITH DC CURRENT ⁽¹⁾								LEAD DIAMETER "A"
						10 % CURRENT (A)	IND. MIN. (μ H)	20 % CURRENT (A)	IND. MIN. (μ H)	30 % CURRENT (A)	IND. MIN. (μ H)	40 % CURRENT (A)	IND. MIN. (μ H)	
TJ7-XX	1.2	± 20	0.005	16.0	1.30	21.41	0.99	34.59	0.88	49.42	0.77	64.24	0.66	0.045 [1.14]
TJ7-XX	2.2	± 20	0.006	16.0	2.03	17.13	1.55	27.67	1.38	39.53	1.20	51.39	1.03	0.045 [1.14]
TJ7-XX	2.7	± 20	0.007	16.0	2.92	14.28	2.23	23.06	1.98	32.95	1.74	42.83	1.49	0.045 [1.14]
TJ7-XX	3.9	± 15	0.008	16.0	3.97	12.24	3.04	19.77	2.70	28.24	2.36	36.71	2.02	0.045 [1.14]
TJ7-XX	5.6	± 20	0.009	16.0	5.18	10.71	3.97	17.30	3.53	24.71	3.08	32.12	2.64	0.045 [1.14]
TJ7-XX	6.8	± 15	0.010	16.0	6.56	9.52	5.02	15.37	4.46	21.96	3.90	28.55	3.35	0.045 [1.14]
TJ7-XX	8.2	± 15	0.010	15.5	8.10	8.57	6.20	13.84	5.51	19.77	4.82	25.70	4.13	0.045 [1.14]
TJ7-XX	10.0	± 15	0.011	14.9	9.80	7.79	7.50	12.58	6.66	17.97	5.83	23.36	5.00	0.045 [1.14]
TJ7-XX	12.0	± 15	0.012	14.4	11.66	7.14	8.92	11.53	7.93	16.47	6.94	21.41	5.95	0.045 [1.14]
TJ7-XX	15.0	± 20	0.013	13.5	15.88	6.12	12.15	9.88	10.80	14.12	9.45	18.36	8.10	0.045 [1.14]
TJ7-XX	18.0	± 15	0.014	13.0	18.23	5.71	13.94	9.22	12.39	13.18	10.84	17.13	9.29	0.045 [1.14]
TJ7-XX	22.0	± 20	0.015	12.8	20.74	5.35	15.86	8.65	14.10	12.35	12.34	16.06	10.58	0.045 [1.14]
TJ7-XX	27.0	± 15	0.016	12.2	26.24	4.76	20.08	7.69	17.85	10.98	15.62	14.28	13.38	0.045 [1.14]
TJ7-XX	33.0	± 15	0.018	11.6	32.40	4.28	24.79	6.92	22.03	9.88	19.28	12.85	16.52	0.045 [1.14]
TJ7-XX	39.0	± 15	0.019	11.2	39.20	3.89	29.99	6.29	26.66	8.99	23.33	11.68	19.99	0.045 [1.14]
TJ7-XX	47.0	± 15	0.020	10.8	46.66	3.57	35.69	5.77	31.73	8.24	27.76	10.71	23.79	0.045 [1.14]
TJ7-XX	56.0	± 15	0.022	10.5	54.76	3.29	41.89	5.32	37.23	7.60	32.58	9.88	27.93	0.045 [1.14]
TJ7-XX	68.0	± 15	0.024	10.0	68.12	2.95	52.11	4.77	46.32	6.82	40.53	8.86	34.74	0.045 [1.14]
TJ7-XX	82.0	± 15	0.026	9.6	82.94	2.68	63.45	4.32	56.40	6.18	49.35	8.03	42.30	0.045 [1.14]
TJ7-XX	100.0	± 15	0.027	9.2	99.23	2.45	75.91	3.95	67.47	5.65	59.04	7.34	50.60	0.045 [1.14]
TJ7-XX	120.0	± 15	0.030	8.9	116.96	2.25	89.48	3.64	79.54	5.20	69.59	6.76	59.65	0.045 [1.14]
TJ7-XX	150.0	± 15	0.033	8.6	149.77	1.99	114.57	3.22	101.84	4.60	89.11	5.98	76.38	0.045 [1.14]
TJ7-XX	180.0	± 15	0.036	8.5	178.93	1.82	136.88	2.94	121.67	4.21	106.46	5.47	91.25	0.045 [1.14]
TJ7-XX	220.0	± 15	0.040	8.4	219.02	1.65	167.55	2.66	148.94	3.80	130.32	4.94	111.70	0.045 [1.14]
TJ7-XX	270.0	± 15	0.046	8.3	272.48	1.48	208.45	2.39	185.29	3.41	162.13	4.43	138.97	0.045 [1.14]
TJ7-XX	330.0	± 15	0.051	8.2	331.78	1.34	253.81	2.16	225.61	3.09	197.41	4.02	169.21	0.045 [1.14]
TJ7-XX	390.0	± 15	0.053	7.9	385.64	1.24	295.02	2.01	262.24	2.86	229.46	3.72	196.68	0.045 [1.14]
TJ7-XX	470.0	± 15	0.060	7.5	467.86	1.13	357.91	1.82	318.14	2.60	278.37	3.38	238.61	0.045 [1.14]
TJ7-XX	560.0	± 15	0.066	7.2	558.01	1.03	426.88	1.67	379.45	2.38	332.02	3.10	284.58	0.045 [1.14]
TJ7-XX	680.0	± 15	0.090	5.9	685.58	0.93	524.47	1.50	466.20	2.15	407.92	2.79	349.65	0.040 [1.02]
TJ7-XX	820.0	± 15	0.101	5.6	826.28	0.85	632.10	1.37	561.87	1.96	491.64	2.54	421.40	0.040 [1.02]
TJ7-XX	1000.0	± 15	0.136	4.7	998.00	0.77	763.47	1.25	678.64	1.78	593.81	2.32	508.98	0.036 [0.914]
TJ7-XX	1200.0	± 15	0.152	4.4	1205.60	0.70	922.29	1.13	819.81	1.62	717.33	2.11	614.86	0.036 [0.914]
TJ7-XX	1500.0	± 15	0.174	4.2	1498.18	0.63	1146.10	1.02	1018.76	1.45	891.41	1.89	764.07	0.036 [0.914]
TJ7-XX	1800.0	± 15	0.233	3.5	1798.28	0.57	1375.68	0.93	1222.83	1.33	1069.98	1.72	917.12	0.032 [0.813]
TJ7-XX	2200.0	± 15	0.263	3.3	2205.23	0.52	1687.00	0.84	1499.55	1.20	1312.11	1.56	1124.66	0.032 [0.813]
TJ7-XX	2700.0	± 15	0.359	2.7	2712.61	0.47	2075.15	0.76	1844.57	1.08	1614.00	1.40	1383.43	0.029 [0.737]
TJ8-XX	1.5	± 20	0.005	18.5	1.60	26.12	1.22	42.20	1.09	60.28	0.95	78.36	0.82	0.051 [1.30]
TJ8-XX	2.7	± 20	0.006	18.5	2.50	20.90	1.91	33.76	1.70	48.22	1.49	62.69	1.28	0.051 [1.30]
TJ8-XX	3.9	± 20	0.007	18.5	3.60	17.41	2.75	28.13	2.45	40.19	2.14	52.24	1.84	0.051 [1.30]
TJ8-XX	4.7	± 15	0.008	18.5	4.90	14.93	3.75	24.11	3.33	34.45	2.92	44.78	2.50	0.051 [1.30]
TJ8-XX	6.8	± 20	0.009	18.5	6.40	13.06	4.90	21.10	4.35	30.14	3.81	39.18	3.26	0.051 [1.30]
TJ8-XX	8.2	± 15	0.010	18.5	8.10	11.61	6.20	18.75	5.51	26.79	4.82	34.83	4.13	0.051 [1.30]
TJ8-XX	10.0	± 15	0.011	18.5	10.00	10.45	7.65	16.88	6.80	24.11	5.95	31.35	5.10	0.051 [1.30]
TJ8-XX	12.0	± 15	0.012	18.0	12.10	9.50	9.26	15.34	8.23	21.92	7.20	28.50	6.17	0.051 [1.30]
TJ8-XX	15.0	± 20	0.013	17.3	14.40	8.71	11.02	14.07	9.79	20.09	8.57	26.12	7.34	0.051 [1.30]
TJ8-XX	18.0	± 20	0.014	16.6	16.90	8.04	12.93	12.98	11.49	18.55	10.06	24.11	8.62	0.051 [1.30]
TJ8-XX	22.0	± 15	0.015	15.5	22.50	6.97	17.21	11.25	15.30	16.07	13.39	20.90	11.48	0.051 [1.30]
TJ8-XX	27.0	± 15	0.016	15.0	25.60	6.53	19.58	10.55	17.41	15.07	15.23	19.59	13.06	0.051 [1.30]
TJ8-XX	33.0	± 15	0.017	14.1	32.40	5.80	24.79	9.38	22.03	13.40	19.28	17.41	16.52	0.051 [1.30]
TJ8-XX	39.0	± 15	0.019	13.4	40.00	5.22	30.60	8.44	27.20	12.06	23.80	15.67	20.40	0.051 [1.30]
TJ8-XX	47.0	± 15	0.021	12.8	48.40	4.75	37.03	7.67	32.91	10.96	28.80	14.25	24.68	0.051 [1.30]
TJ8-XX	56.0	± 15	0.022	12.2	57.60	4.35	44.06	7.03	39.17	10.05	34.27	13.06	29.38	0.051 [1.30]
TJ8-XX	68.0	± 15	0.024	11.7	67.60	4.02	51.71	6.49	45.97	9.27	40.22	12.06	34.48	0.051 [1.30]

Note

- The DC current values listed are typical values that drop the nominal inductance by the percent listed.

**STANDARD ELECTRICAL SPECIFICATIONS** in inches [millimeters]

MODEL	IND. (μH)	TOL. (%)	DCR NOM. (Ω)	RATED DC CURRENT (A)	IND. NOM. AT 0 DCA (μH)	INDUCTANCE SHIFT WITH DC CURRENT ⁽¹⁾								LEAD DIAMETER "A"
						10 % CURRENT (A)	IND. MIN. (μH)	20 % CURRENT (A)	IND. MIN. (μH)	30 % CURRENT (A)	IND. MIN. (μH)	40 % CURRENT (A)	IND. MIN. (μH)	
TJ8-XX	82.0	± 15	0.025	11.1	84.10	3.60	64.34	5.82	57.19	8.31	50.04	10.81	42.89	0.051 [1.30]
TJ8-XX	100.0	± 15	0.027	10.6	102.40	3.27	78.34	5.27	69.63	7.53	60.93	9.80	52.22	0.051 [1.30]
TJ8-XX	120.0	± 15	0.029	10.1	122.50	2.99	93.71	4.82	83.30	6.89	72.89	8.96	62.48	0.051 [1.30]
TJ8-XX	150.0	± 15	0.032	9.6	152.10	2.68	116.36	4.33	103.43	6.18	90.50	8.04	77.57	0.051 [1.30]
TJ8-XX	180.0	± 15	0.034	9.2	176.40	2.49	134.95	4.02	119.95	5.74	104.96	7.46	89.96	0.051 [1.30]
TJ8-XX	220.0	± 15	0.036	8.7	220.90	2.22	168.99	3.59	150.21	5.13	131.44	6.67	112.66	0.051 [1.30]
TJ8-XX	270.0	± 15	0.040	8.3	270.40	2.01	206.86	3.25	183.87	4.64	160.89	6.03	137.90	0.051 [1.30]
TJ8-XX	330.0	± 15	0.044	7.9	324.90	1.83	248.55	2.96	220.93	4.23	193.32	5.50	165.70	0.051 [1.30]
TJ8-XX	390.0	± 15	0.047	7.6	384.40	1.69	294.07	2.72	261.39	3.89	228.72	5.06	196.04	0.051 [1.30]
TJ8-XX	470.0	± 15	0.053	7.2	476.10	1.51	364.22	2.45	323.75	3.49	283.28	4.54	242.81	0.051 [1.30]
TJ8-XX	560.0	± 15	0.058	6.9	562.50	1.39	430.31	2.25	382.50	3.21	334.69	4.18	286.88	0.051 [1.30]
TJ8-XX	680.0	± 15	0.064	6.6	672.40	1.27	514.39	2.06	457.23	2.94	400.08	3.82	342.92	0.051 [1.30]
TJ8-XX	820.0	± 15	0.071	6.2	828.10	1.15	633.50	1.85	563.11	2.65	492.72	3.44	422.33	0.051 [1.30]
TJ8-XX	1000.0	± 15	0.077	6.0	1000.0	1.04	765.00	1.69	680.00	2.41	595.00	3.13	510.00	0.051 [1.30]
TJ8-XX	1200.0	± 15	0.104	5.1	1210.00	0.95	925.65	1.53	822.80	2.19	719.95	2.85	617.10	0.045 [1.14]
TJ8-XX	1500.0	± 15	0.118	4.9	1488.40	0.86	1138.63	1.38	1012.11	1.98	885.60	2.57	759.08	0.045 [1.14]
TJ8-XX	1800.0	± 15	0.159	4.2	1795.60	0.78	1373.63	1.26	1221.01	1.80	1068.38	2.34	915.76	0.040 [1.02]
TJ8-XX	2200.0	± 15	0.179	4.0	2190.40	0.71	1675.66	1.14	1489.47	1.63	1303.29	2.12	1117.10	0.040 [1.02]
TJ8-XX	2700.0	± 15	0.203	3.9	2689.60	0.64	2057.54	1.03	1828.93	1.47	1600.31	1.91	1371.70	0.040 [1.02]
TJ8-XX	3300.0	± 15	0.277	3.3	3312.40	0.57	2533.99	0.93	2252.43	1.32	1970.88	1.72	1689.32	0.036 [0.914]
TJ8-XX	3900.0	± 15	0.304	3.2	3880.90	0.53	2968.89	0.86	2639.01	1.22	2309.14	1.59	1979.26	0.036 [0.914]
TJ9-XX	1.5	± 15	0.004	20.0	1.44	50.35	1.10	81.33	0.98	116.18	0.86	151.04	0.73	0.064 [1.63]
TJ9-XX	2.7	± 15	0.005	20.0	2.56	37.76	1.96	61.00	1.74	87.14	1.52	113.28	1.31	0.064 [1.63]
TJ9-XX	3.9	± 15	0.006	20.0	4.00	30.21	3.06	48.80	2.72	69.71	2.38	90.62	2.04	0.064 [1.63]
TJ9-XX	5.6	± 15	0.007	20.0	5.76	25.17	4.41	40.66	3.92	58.09	3.43	75.52	2.94	0.064 [1.63]
TJ9-XX	8.2	± 15	0.008	20.0	7.84	21.58	6.00	34.85	5.33	49.79	4.66	64.73	4.00	0.064 [1.63]
TJ9-XX	10.0	± 15	0.009	20.0	10.24	18.88	7.83	30.50	6.96	43.57	6.09	56.64	5.22	0.064 [1.63]
TJ9-XX	12.0	± 20	0.010	20.0	12.96	16.78	9.91	27.11	8.81	38.73	7.71	50.35	6.61	0.064 [1.63]
TJ9-XX	15.0	± 20	0.011	20.0	16.00	15.10	12.24	24.40	10.88	34.85	9.52	45.31	8.16	0.064 [1.63]
TJ9-XX	18.0	± 20	0.012	20.0	19.36	13.73	14.81	22.18	13.16	31.69	11.52	41.19	9.87	0.064 [1.63]
TJ9-XX	22.0	± 20	0.013	20.0	23.04	12.59	17.63	20.33	15.67	29.05	13.71	37.76	11.75	0.064 [1.63]
TJ9-XX	27.0	± 15	0.014	20.0	27.04	11.62	20.69	18.77	18.39	26.81	16.09	34.85	13.79	0.064 [1.63]
TJ9-XX	33.0	± 15	0.015	20.0	31.36	10.79	23.99	17.43	21.32	24.90	18.66	32.37	15.99	0.064 [1.63]
TJ9-XX	39.0	± 20	0.016	20.0	40.96	9.44	31.33	15.25	27.85	21.78	24.37	28.32	20.89	0.064 [1.63]
TJ9-XX	47.0	± 15	0.017	20.0	46.24	8.88	35.37	14.35	31.44	20.50	27.51	26.65	23.58	0.064 [1.63]
TJ9-XX	56.0	± 15	0.018	19.9	57.76	7.95	44.19	12.84	39.28	18.34	34.37	23.85	29.46	0.064 [1.63]
TJ9-XX	68.0	± 15	0.019	19.0	70.56	7.19	53.98	11.62	47.98	16.60	41.98	21.58	35.99	0.064 [1.63]
TJ9-XX	82.0	± 15	0.020	18.3	84.64	6.57	64.75	10.61	57.56	15.15	50.36	19.70	43.17	0.064 [1.63]
TJ9-XX	100.0	± 15	0.021	17.6	100.00	6.04	76.50	9.76	68.00	13.94	59.50	18.12	51.00	0.064 [1.63]
TJ9-XX	120.0	± 15	0.022	17.0	116.64	5.59	89.23	9.04	79.32	12.91	69.40	16.78	59.49	0.064 [1.63]
TJ9-XX	150.0	± 15	0.025	15.9	153.76	4.87	117.63	7.87	104.56	11.24	91.49	14.62	78.42	0.064 [1.63]
TJ9-XX	180.0	± 15	0.028	15.3	184.96	4.44	141.49	7.18	125.77	10.25	110.05	13.33	94.33	0.064 [1.63]
TJ9-XX	220.0	± 15	0.030	14.7	219.04	4.08	167.57	6.59	148.95	9.42	130.33	12.25	111.71	0.064 [1.63]
TJ9-XX	270.0	± 15	0.033	14.0	268.96	3.68	205.75	5.95	182.89	8.50	160.03	11.05	137.17	0.064 [1.63]
TJ9-XX	330.0	± 15	0.036	13.4	324.00	3.36	247.86	5.42	220.32	7.75	192.78	10.07	165.24	0.064 [1.63]
TJ9-XX	390.0	± 15	0.038	12.9	384.16	3.08	293.88	4.98	261.23	7.11	228.58	9.25	195.92	0.064 [1.63]
TJ9-XX	470.0	± 15	0.042	12.4	466.56	2.80	356.92	4.52	317.26	6.45	277.60	8.39	237.95	0.064 [1.63]
TJ9-XX	560.0	± 15	0.043	11.9	556.96	2.56	426.07	4.14	378.73	5.91	331.39	7.68	284.05	0.064 [1.63]
TJ9-XX	680.0	± 15	0.048	11.3	676.00	2.32	517.14	3.75	459.68	5.36	402.22	6.97	344.76	0.064 [1.63]
TJ9-XX	820.0	± 15	0.054	10.7	829.44	2.10	634.52	3.39	564.02	4.84	493.52	6.29	423.01	0.064 [1.63]
TJ9-XX	1000.0	± 15	0.059	10.3	998.56	1.91	763.90	3.09	679.02	4.41	594.14	5.74	509.27	0.064 [1.63]
TJ9-XX	1200.0	± 15	0.082	9.8	1211.04	1.74	926.45	2.80	823.51	4.01	720.57	5.21	617.63	0.057 [1.45]
TJ9-XX	1500.0	± 15	0.091	9.3	1505.44	1.56	1151.66	2.52	1023.70	3.59	895.74	4.67	767.77	0.057 [1.45]
TJ9-XX	1800.0	± 15	0.118	8.9	1797.76	1.42	1375.29	2.30	1222.48	3.29	1069.67	4.27	916.86	0.051 [1.30]

Note

- The DC current values listed are typical values that drop the nominal inductance by the percent listed.

**STANDARD ELECTRICAL SPECIFICATIONS** in inches [millimeters]

MODEL	IND. (μ H)	TOL. (%)	DCR NOM. (Ω)	RATED DC CURRENT (A)	IND. NOM. AT 0 DCA (μ H)	INDUCTANCE SHIFT WITH DC CURRENT ⁽¹⁾								LEAD DIAMETER "A"
						10 % CURRENT (A)	IND. MIN. (μ H)	20 % CURRENT (A)	IND. MIN. (μ H)	30 % CURRENT (A)	IND. MIN. (μ H)	40 % CURRENT (A)	IND. MIN. (μ H)	
TJ9-XX	2200.0	± 15	0.131	8.4	2190.24	1.29	1675.53	2.09	1489.36	2.98	1303.19	3.87	1117.02	0.051 [1.30]
TJ9-XX	2700.0	± 15	0.147	8.0	2704.00	1.16	2068.56	1.88	1838.72	2.68	1608.88	3.49	1379.04	0.051 [1.30]
TJ9-XX	3300.0	± 15	0.165	7.6	3317.76	1.05	2538.09	1.69	2256.08	2.42	1974.07	3.15	1692.06	0.051 [1.30]
TJ9-XX	3900.0	± 15	0.181	5.2	3893.76	0.97	2978.73	1.56	2647.76	2.23	2316.79	2.90	1985.82	0.051 [1.30]
TJ9-XX	4700.0	± 15	0.201	5.1	4678.56	0.88	3579.10	1.43	3181.42	2.04	2783.74	2.65	2386.07	0.051 [1.30]
TJ9-XX	5600.0	± 15	0.224	5.0	5595.04	0.81	4280.21	1.30	3804.63	1.86	3329.05	2.42	2853.47	0.051 [1.30]

Note

- The DC current values listed are typical values that drop the nominal inductance by the percent listed.

MARKING

- Vishay Dale
- Model number
- Date code

ORDERING INFORMATION

TJ5	1U	330 μ H	± 15 %	EB	e2
MODEL	MOUNTING/COATING CODE	INDUCTANCE VALUE	INDUCTANCE TOLERANCE	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

T	J	5	1	U	E	B	3	3	1	L
MODEL			MOUNTING/COATING CODE		PACKAGE CODE		INDUCTANCE VALUE			INDUCTANCE TOLERANCE



Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Hyperlinks included in this datasheet may direct users to third-party websites. These links are provided as a convenience and for informational purposes only. Inclusion of these hyperlinks does not constitute an endorsement or an approval by Vishay of any of the products, services or opinions of the corporation, organization or individual associated with the third-party website. Vishay disclaims any and all liability and bears no responsibility for the accuracy, legality or content of the third-party website or for that of subsequent links.

Except as expressly indicated in writing, Vishay products are not designed for use in medical, life-saving, or life-sustaining applications or for any other application in which the failure of the Vishay product could result in personal injury or death. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.