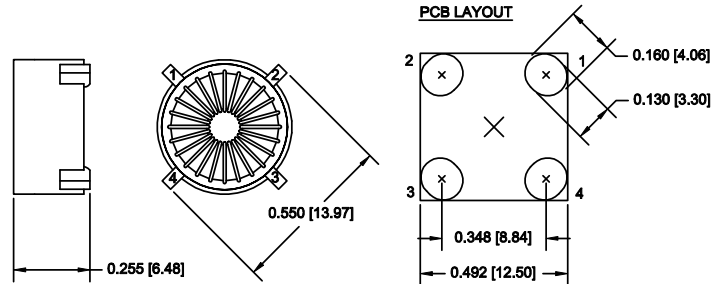
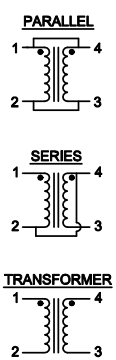


Surface Mount Toroids

- 518 series utilizes an iron powder core; ideal for frequency applications up to 100 kHz.
- 618 series utilizes a Kool Mu® core; minimizing core losses and temperature rise at higher frequencies of 100-250 kHz.
- Tape and reel packaging.
- Listed are standard designs. Custom designs are available in this package.



518 Series Toroids With Iron Powder Cores and 04 Case Size

MODEL NUMBER	PARALLEL				SERIES				CIRCUIT DIAGRAM
	OPEN CIRCUIT INDUCTANCE +/-20% μ H	MINIMUM FULL LOAD INDUCTANCE μ H	FULL LOAD CURRENT A dc	MAXIMUM DC RESISTANCE Ohms	OPEN CIRCUIT INDUCTANCE +/-20% μ H	MINIMUM FULL LOAD INDUCTANCE μ H	FULL LOAD CURRENT A dc	MAXIMUM DC RESISTANCE Ohms	
518-R47M-04	0.49	0.38	7.90	0.005	1.96	1.50	3.95	0.019	
518-R68M-04	0.76	0.56	7.20	0.006	3.04	2.24	3.60	0.024	
518-1R0M-04	1.09	0.82	5.90	0.009	4.36	3.26	3.00	0.035	
518-2R0M-04	1.95	1.42	4.60	0.015	7.80	5.68	2.30	0.056	
518-5R0M-04	5.15	3.55	3.30	0.028	20.60	14.20	1.65	0.110	
518-8R0M-04	7.81	5.15	3.00	0.032	31.22	20.60	1.50	0.128	
518-100M-04	9.88	6.68	2.50	0.045	39.52	26.72	1.25	0.180	
518-150M-04	14.76	9.50	2.30	0.055	59.04	38.00	1.15	0.225	
518-200M-04	20.62	13.45	1.90	0.085	82.48	53.80	0.95	0.338	
518-250M-04	26.65	17.18	1.60	0.115	102.60	68.72	0.80	0.460	
518-330M-04	33.21	22.92	1.30	0.165	132.84	91.68	0.65	0.660	
518-500M-04	48.80	32.20	1.20	0.200	195.20	128.80	0.60	0.802	
518-680M-04	67.37	43.05	1.10	0.235	269.48	172.18	0.55	0.950	
518-101M-04	99.09	69.55	0.72	0.567	396.36	278.20	0.36	2.261	
518-151M-04	149.45	101.46	0.64	0.695	597.80	405.80	0.32	2.785	
518-201M-04	200.11	131.36	0.60	0.810	800.45	525.45	0.30	3.240	
518-301M-04	298.93	188.05	0.54	1.005	1195.70	752.15	0.27	4.020	

618 Series Toroids With Kool Mu® Cores and 04 Case Size

MODEL NUMBER	PARALLEL				SERIES				CIRCUIT DIAGRAM
	OPEN CIRCUIT INDUCTANCE +/-20% μ H	MINIMUM FULL LOAD INDUCTANCE μ H	FULL LOAD CURRENT A dc	MAXIMUM DC RESISTANCE Ohms	OPEN CIRCUIT INDUCTANCE +/-20% μ H	MINIMUM FULL LOAD INDUCTANCE μ H	FULL LOAD CURRENT A dc	MAXIMUM DC RESISTANCE Ohms	
618-R47M-04	0.46	0.33	7.00	0.003	1.84	1.32	3.50	0.012	SAME AS ABOVE
618-R68M-04	0.83	0.58	6.00	0.004	3.32	2.32	3.00	0.018	
618-1R0M-04	1.30	0.89	5.00	0.005	5.20	3.56	2.50	0.020	
618-2R0M-04	1.87	1.13	5.90	0.006	7.48	4.52	2.92	0.025	
618-5R0M-04	5.20	2.70	4.40	0.013	20.80	10.80	2.20	0.052	
618-8R0M-04	7.48	3.89	3.50	0.017	29.92	15.56	1.75	0.070	
618-100M-04	10.19	5.11	3.40	0.020	40.76	20.40	1.70	0.080	
618-150M-04	15.02	7.00	3.00	0.024	60.08	28.00	1.50	0.096	
618-200M-04	20.80	11.00	2.10	0.055	83.20	44.00	1.05	0.220	
618-250M-04	25.16	13.00	2.00	0.064	100.64	52.00	1.00	0.254	
618-330M-04	32.50	16.51	1.80	0.070	130.00	66.04	0.90	0.272	
618-500M-04	49.97	25.00	1.50	0.110	199.88	100.00	0.75	0.440	
618-680M-04	67.30	35.40	1.20	0.156	269.20	141.60	0.60	0.624	
618-101M-04	100.60	55.31	0.92	0.294	402.40	221.24	0.46	1.173	
618-151M-04	148.80	77.40	0.82	0.373	595.20	309.60	0.41	1.492	
618-201M-04	199.80	110.58	0.64	0.550	799.20	442.30	0.32	2.175	
618-301M-04	300.30	149.00	0.62	0.672	1201.20	596.00	0.31	2.688	

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