

TOROIDAL POWER INDUCTORS

for Demanding Environments



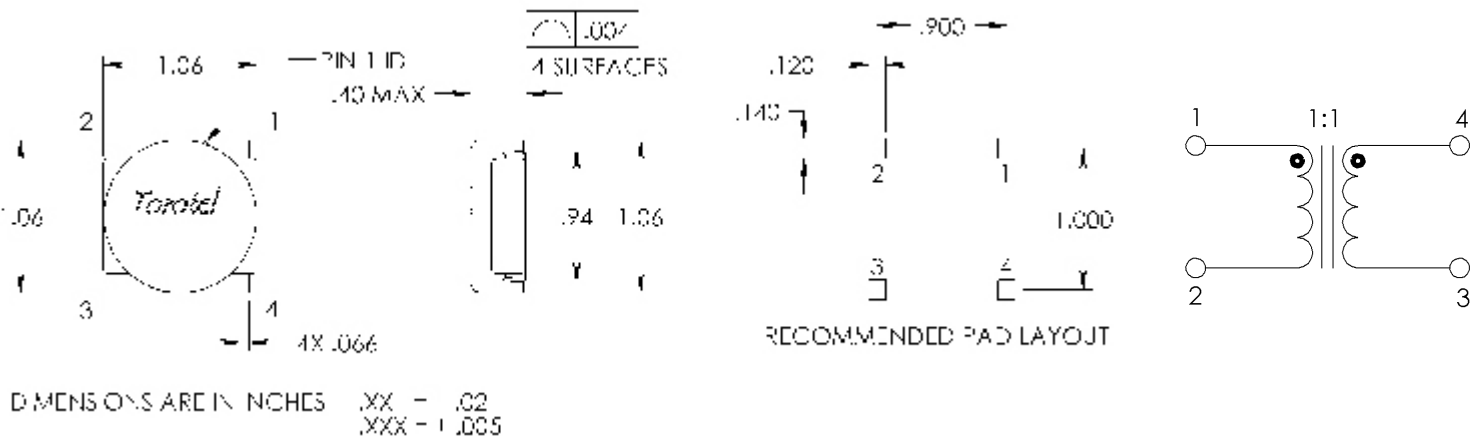
- Construction:** Toroidal/Molded/Gull wing terminals
- Height:** .40 inch maximum
- Current Rating:** Up to 41A RMS (parallel)
- Inductance Range:** 1.3 μ H (parallel) to 41.0 μ H (series)
- Environmental:** Superior vibration and shock resistance

Parallel Values						Series Values				
Part No.	L μ H at I pk	I pk	L μ H 0 ADC	IRMS amps	DCR m Ω max	L μ H at I pk	I pk	L μ H 0 ADC	IRMS amps	DCR m Ω max
SGD5162	1.3	60	1.6	41.0	1.0	5.1	30.0	6.4	20.5	3.8
SGD5212	1.7	52	2.1	34.0	1.4	6.7	26.0	8.4	17.0	5.4
SGD5262	2.1	46	2.6	29.0	1.9	8.3	23.0	10.4	14.5	7.6
SGD5322	2.6	42	3.2	25.0	2.6	10.2	21.0	12.8	12.5	10.4
SGD5632	5.0	30	6.3	20.0	3.8	20.2	15.0	25.2	10.0	15.2
SGD5822	6.6	26	8.2	17.0	5.3	26.2	13.0	32.8	8.5	21.2
SGD5103	8.3	23	10.4	14.5	7.4	33.3	11.5	41.6	7.3	29.6
SGD5133	10.2	21	12.8	12.5	10.0	41.0	10.5	51.2	6.3	40.0

Notes:

1. All measurements taken at 20° C.
2. Operating temperature is -55° C to 155° C.
3. Inductance tested at .1 vrms, 10 KHz.
4. IRMS is the DC current value that will produce a 40° C temperature rise.
5. I pk is the peak current (DC plus ripple).

Mechanical



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