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## Triad Transformer Catalog

### SWITCHMODE/HIGH FREQUENCY - ROD CORE INDUCTORS

#### Description:

TRIAD high current rod core inductors from Triad Magnetics provide cost effective energy storage. By conditioning the output signal, the inductor smoothes out the current waveform to provide a more stable current. These low cost inductors are designed to be compatible with automated P.C.B. installation.

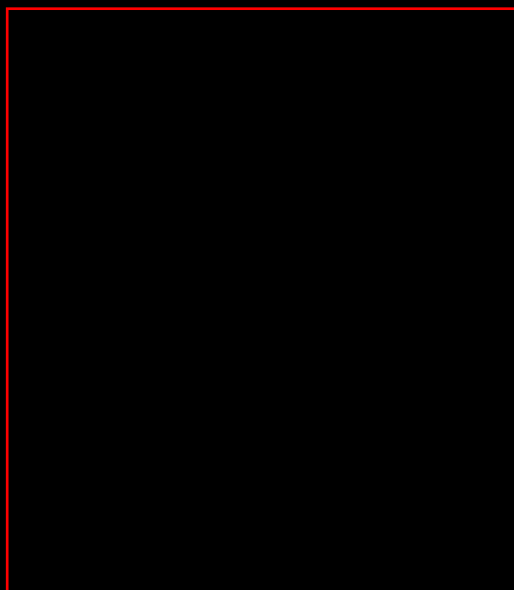


Figure A

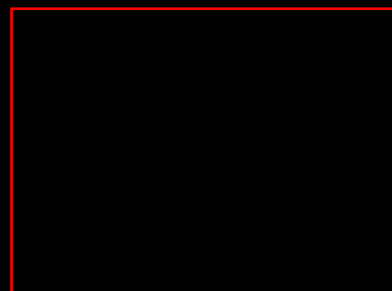


Figure B

### HIGH CURRENT ROD CORE INDUCTORS

Type No.	Figure	$\pm 15\%$ Inductance $\mu\text{H}$	DC Rated Current	Max DC Resistance (mOhms)	Lead Diameter	Wt. Lbs.
FIRCH-1	A	2.54	11.60A	5.50	.050"	.03
FIRCH-2	A	3.05	9.70A	7.30	.045"	.03
FIRCH-3	A	3.60	8.10A	9.95	.040"	.03
FIRCH-4	A	5.00	6.80A	14.10	.036"	.03
FIRCH-5	A	5.90	5.70A	18.50	.032"	.03

FIRCH-6	A	7.22	4.80A	26.10	.028"	.03
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## ROD CORE INDUCTORS

Type No.	Figure	10% Inductance	DC Rated Current	± 15% DC Resistance Ohms	Dimensions				Wt. Oz.
					H	L	A	B	
RC-1	B	5.6 mH	.250A	6.100	.93	.600	.150	.375	.03
RC-2	B	3.9 mH	.320A	3.900	.93	.600	.150	.375	.03
RC-3	B	2.5 mH	.400A	2.450	.93	.600	.150	.375	.03
RC-4	B	1.5 mH	.500A	1.530	.93	.600	.150	.375	.03
RC-5	B	915.0 µH	.625A	1.000	.93	.600	.150	.375	.03
RC-6	B	560.0 µH	.800A	.600	.93	.600	.150	.375	.03
RC-7	B	450.0 µH	1.000A	.420	.93	.600	.150	.375	.03
RC-8	B	250.0 µH	1.250A	.210	.93	.600	.150	.375	.03
RC-9	B	200.0 µH	1.600A	.180	.93	.600	.150	.375	.03
RC-10	B	100.0 µH	2.000A	.098	.93	.600	.150	.375	.03
RC-11	B	75.0 µH	2.500A	.070	.93	.600	.150	.375	.03

### Technical Notes:

#### Figure A

1. Rated current 40°C temperature rise.

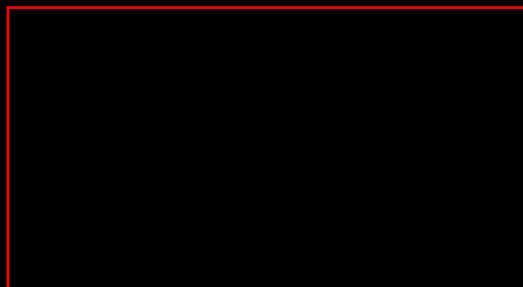


Figure A

## Figure B

1. Rated current 10 amps per pin manimum.
2. Rated current renders approximately 40°C temperature rise.



Figure B