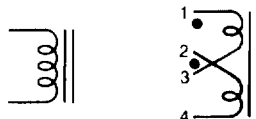


SRA and SRB Switching Power Inductors



SCHEMATICS



NOTES

PACKAGING

Hermetically sealed, molded case.

MIL SPECS

To complete MIL-T-27 specs. Type number TF5S04ZZ.

APPLICATION

These inductors have low losses in the 3 to 100 KHz frequency range, making them ideal for switching regulator and AC filter choke applications.

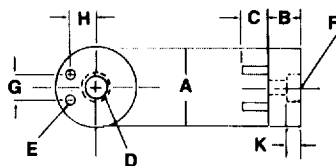
INDUCTANCE

Type numbers correspond to inductance values in microhenries, which are measured at 1 V, 10 KHz, 0 DC with an inductance tolerance of + 15%, -5%. Values of inductance other than listed in an existing size are available. Part Number would be: SR (A,B, or C) — (inductance in microhy at 0 DC).

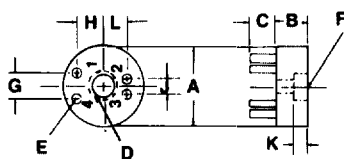
CURRENT RATINGS

Listing I_1 is for approximately 10% drop in inductance with a typical 20°C temperature rise, and Listing I_2 is for approximately 20% drop in inductance with a typical 40°C temperature rise.

SINGLE WINDING



DOUBLE WINDING



DIMENSIONS IN INCHES

Type Winding	A dia. ±.030	B ±.063	C ±.030	D dia. ±0.10	E dia. ±.005	F dia. ±.015	G ±.010	H ±.010	J ±.010	K C'bore ±.015	L ±.010	Wt. Oz
SRA Single	.875	.438	.250	.156	.073	.281	.400	.200	—	.082	—	.6
Double	—	.563	—	—	—	—	—	—	.200	—	.200	—
SRB Single	1.188	.563	.250	.156	.073	.281	.600	.300	—	.082	—	1.5
Double	—	.688	—	—	—	—	—	—	.400	—	.300	—
SRC Single	1.375	.750	.250	.156	.073	.281	.800	.300	—	.082	—	3
Double	—	.813	—	—	—	—	—	—	.400	—	.500	—

SRA

Type	No. of Windings	Inductance at 0 DC (μH)	I_1 , at 10% drop in L (amps)	I_2 , at 20% drop in L (amps)	Max. DCR (ohms)	MIL Part No.
SRA-1250	1	1250	.8	1.2	.7	M27/287-01
SRA-800	1	800	1	1.5	.45	M27/287-02
SRA-500	1	500	1.2	1.8	.3	M27/287-03
SRA-350	1	350	1.5	2.2	.2	M27/287-04
SRA-200*	2	200 (SER) 50 (PAR)	2 4	3 6	.12 .03	M27/287-05
SRA-88*	2	88 (SER) 22 (PAR)	3 6	4.5 9	.052 .013	M27/287-06
SRA-32*	2	32 (SER) 8 (PAR)	5 10	7.5 15	.02 .005	M27/287-07

SRB

Type	No. of Windings	Inductance at 0 DC (μH)	I_1 , at 10% drop in L (amps)	I_2 , at 20% drop in L (amps)	Max. DCR (ohms)	MIL Part No.
SRB-3000	1	3000	.8	1.2	1.2	M27/288-01
SRB-2000	1	2000	1	1.5	.8	M27/288-02
SRB-1200	1	1200	1.25	1.88	.5	M27/288-03
SRB-780	1	780	1.6	2.4	.3	M27/288-04
SRB-520	1	520	2	3	.2	M27/288-05
SRB-320	1	320	2.5	3.75	.13	M27/288-06
SRB-220*	2	220 (SER) 55 (PAR)	3 6	4.5 9	.08 .02	M27/288-07
SRB-120*	2	120 (SER) 30 (PAR)	4 8	6 12	.05 .013	M27/288-08
SRB-80*	2	80 (SER) 20 (PAR)	5 10	7.5 15	.032 .008	M27/288-09

* Two identical windings brought out to four terminals permit series, parallel, center tapped or transformer connections.

