

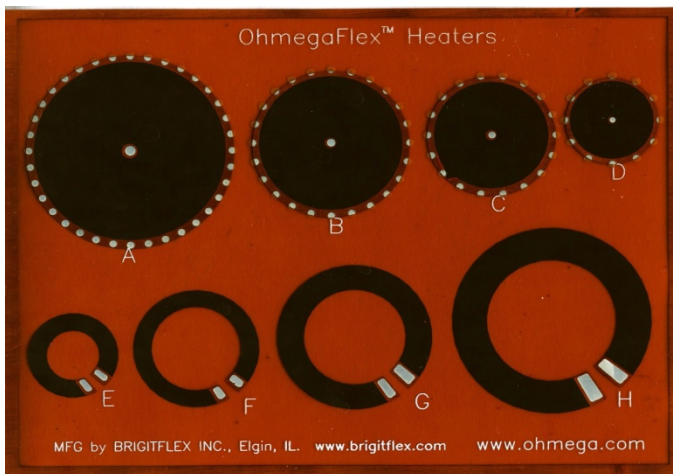
OhmegaFlex™ Heaters

OhmegaFlex heater array cards are ideal for evaluation and prototype applications where multiple sizes and shapes offer the user maximum flexibility. OhmegaFlex heaters can be used in a variety of designs where low power and a fast heat rise are required. OhmegaFlex heaters offer the excellent thermal stability of a thin-film NiP resistive material and the long term reliability that has made OhmegaPly® the preferred thin-film resistive material in many military/aerospace and other critical applications over the past 35+ years.

The heaters are chemically resistant and can be operated at temperatures in excess of 200°C. Thin, lightweight and durable, OhmegaFlex Heaters are an excellent option for your design requirements and application needs.

OhmegaFlex heaters come in 3 standard array cards (3" x 4" in size), each version using 10 ohm per square sheet resistivity OhmegaPly®:

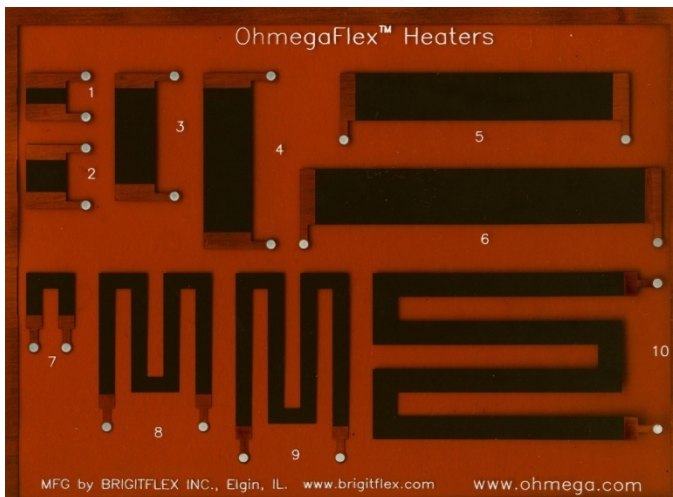
OhmegaFlex Series C heaters are round and arc shaped. They are ideal for wrap around heater applications or large area heating. Each sheet consists of 4 round and 4 arc elements of varying sizes.



CIRCULAR HEATERS													
HEATER No.	RESISTANCE (Ω)	APPLIED D.C CURRENT (Amp)			POWER DISSIPATION (W)			TEMPERATURE RISE (C)			TEMPERATURE RISE TIME (Sec)		
		I1	I2	I3	P1	P2	P3	T1	T2	T3	Time1	Time2	Time3
		A	4.7	0.32	0.64	0.96	0.48	1.91	4.31	40	100	180*	60
B	4.8	0.21	0.46	0.71	0.21	1.01	2.41	35	85	170*	40	60	30
C	4.3	0.19	0.51	0.79	0.15	1.13	2.69	36	107	165*	35	40	60
D	4.2	0.14	0.52	0.81	0.09	1.15	2.75	45	125	160*	36	35	30
ARC HEATERS													
E	112	0.004	0.13	0.18	0.001	1.75	3.57	36	150	264	30	30	60
F	182	0.05	0.12	0.16	0.45	2.66	4.95	52	165	250	30	30	60
G	150	0.07	0.16	0.21	0.67	3.84	6.83	53	175	250	30	40	60
H	147	0.07	0.16	0.20	0.68	3.92	6.12	47	135	195	40	40	60

* Maximum operating temperature

OhmegaFlex Series S heaters are rectangular and serpentine shaped. They are ideal for large area heating. Each sheet consists of 6 rectangular and 4 serpentine elements of varying sizes.

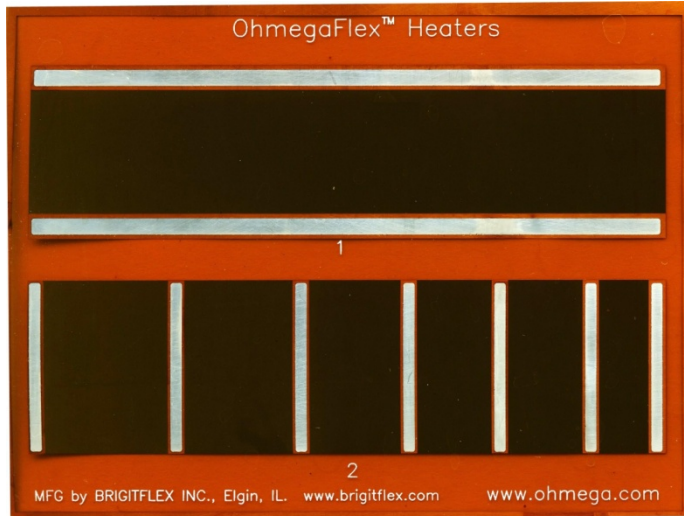


RECTANGULAR HEATERS													
HEATER No.	RESISTANCE (Ω)	APPLIED D.C CURRENT (Amp)			POWER DISSIPATION (W)			TEMPERATURE RISE (C)			TEMPERATURE RISE TIME (Sec)		
		I1	I2	I3	P1	P2	P3	T1	T2	T3	Time1	Time2	Time3
		1	4.5	0.11	0.22	0.67	0.06	0.22	2.00	34	58	230	40
2	9	0.17	0.33	0.48	0.25	1.00	2.05	56	134	220	35	35	60
3	26	0.12	0.23	0.35	0.35	1.38	3.12	55	125	215	35	50	60
4	33	0.12	0.24	0.36	0.48	1.94	4.36	60	133	210	45	50	45
5	60	0.07	0.22	0.33	0.27	2.82	6.67	40	135	220	45	40	60
6	65	0.08	0.25	0.34	0.38	3.94	7.45	50	122	183	40	50	40
SERPENTINE HEATERS													
7	62	0.03	0.13	0.18	0.06	1.03	1.95	32	135	202	30	30	30
8	342	0.05	0.10	0.13	0.95	3.58	5.66	63	158	225	30	30	50
9	435	0.04	0.10	0.11	0.74	4.06	5.30	52	157	185	30	40	35
10	475	0.05	0.10	0.11	1.42	4.45	6.14	50	107	135	30	45	30

OhmegaPly® is a registered trademark of Ohmega Technologies, Inc. Culver City CA 90232. www.ohmega.com

Copyright © 2009 Ohmega Technologies, Inc., All Rights Reserved

OhmegaFlex Series B heaters are large rectangular block shaped elements. They are ideal for custom requirements and can be cut to a variety of shapes and sizes depending on need. Each sheet consists of 2 large block areas.



CUSTOM HEATERS													
HEATER No.	RESISTANCE (Ω)	APPLIED D.C CURRENT (Amp)			POWER DISSIPATION (W)			TEMPERATURE RISE (C)			TEMPERATURE RISE TIME (Sec)		
		I1	I2	I3	P1	P2	P3	T1	T2	T3	Time1	Time2	Time3
1	2.4	0.83	2.50	3.38	1.67	15.0	27.40	45	165	270	30	60	60
2	33												

OhmegaFlex heaters are currently available through Brigitflex, a woman-owned PCB shop in Elgin, IL. Inquiries should be made by telephone (847-741-1452) or by e-mail at brigitflex@foxvalley.net. Please specify the array card type and quantity required:

Price is based on quantity ordered and is the same for all array types. Quantity ordered can be a combination of array cards:

- C-10
- S-10
- B-10

<u>Quantity (pcs)</u>	<u>Price (each) Plus Shipping</u>
1-9	\$20.00
10-24	\$17.50
25-49	\$15.00
50-99	\$10.00
100-499	\$9.00
500+	call for pricing

Credit Card orders welcome

Custom Heater Designs are available. Call for details.