



Standard Heater Selection Sheet

Part number format:

Sample PN: BK3546-26.5-L24-00

Our complete list of standards heaters is listed on the back.

BK 3546 - 26.5 - L24 - 00

A
B
C
D
E

A
Heater type:
 BK – Kapton Heater
 BR – Silicone Rubber Heater

B
Birk PN:
 Please choose from standard list on back

C
Resistance:
 Please choose from standard list on back

D
Lead length
 L12 – 12” length
 L24 – 24” length
 Other lead lengths available upon request after review

Ohm’s Law

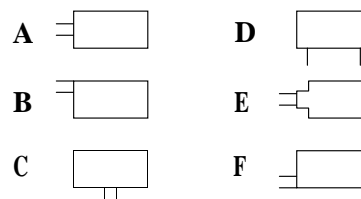
$$V = IR \quad W = \frac{V^2}{R}$$

$$R = \frac{V^2}{W} \quad V = \sqrt{RW}$$

E
Backing options
BK Heaters
 00 – none
 01 – PSA (.005”)
 02 – PSA (.002”)
 03 – Foil Backing (.003” Aluminum)
 04 – Foil Backing (.005” Aluminum)
 05 – Foil Backing w/ PSA (.003” Aluminum, .005” PSA)
 06 – Foil Backing w/ PSA (.005” Aluminum, .005” PSA)
 07 – Foil Backing w/ PSA (.003” Aluminum, .002” PSA)
 08 – Foil Backing w/ PSA (.005” Aluminum, .002” PSA)

BR Heaters
 20 – none
 21 – PSA (.005”)
 22 – Foil backing (.003” Aluminum)
 23 – Foil backing (.005” Aluminum)
 24 – Foil Backing w/ PSA (.003” Aluminum, .004” PSA)
 25 – Foil Backing w/ PSA (.005” Aluminum, .004” PSA)

Lead locations (see list on back)



Standard Heater List

All standard heaters are available in Silicone or Kapton®.
Call to order: 860-739-4170.

Temperature limitation is 200°C if heater has PSA. Kapton heaters without PSA maximum temperature is 240°C. Contact Birk for more information.

Orange means that choice is not currently available.

Heater PN	Width	Length	Resistance Option #1	Resistance Option #2	Resistance Option #3	Resistance Option #4	Resistance Option #5	Resistance Option #6	Resistance Option #7	Lead Location
3542	0.25	0.25	42.0	21.0	10.0	8.4	5.2			E
3543	0.25	0.50	63.0	31.5	14.9	12.5	7.9	3.1		E
3544	0.25	0.75	53.0	26.5	12.6	10.5	6.6	2.6		E
3500	0.25	1.00	28.8	14.4	6.8		3.6			A
3501	0.30	1.50	51.0	25.5	12.1		6.4		4.9	A
3545	0.30	1.50	87.5	43.8	20.7	17.4	10.9	4.2	8.5	E
3502	0.40	2.60	119.6	59.8	28.4	23.8	14.9	5.8	11.6	A
3546	0.50	0.50	53.0	26.5	12.6	10.5	6.6	2.6	5.1	E
3503	0.50	1.00	57.5	28.8	13.6		7.2		5.6	A
3504	0.50	2.00	156.8	78.4	37.2		19.6	7.6	15.2	A
3505	0.50	2.50	143.8	71.9	34.1	28.6	17.9	7.0	13.9	A
3550	0.50	3.00	65.0	32.5	15.4	12.9	8.1	3.1	6.3	A
3506	0.50	4.00	230.0	115.0	54.5	45.8	28.7	11.1	22.3	A
3547	0.50	4.00	394.0	197.0	93.4	78.4	49.1	19.1		A
3549	0.50	5.00	125.0	62.5	29.6	24.9	15.6	6.1	12.1	A
3548	0.50	7.50	111.0	55.5	26.3	22.1	13.8	5.4	10.8	A
3551	0.53	1.00	126.4	63.2	30.0	25.1	15.8	6.1	12.2	A
3552	0.53	1.20	127.0	63.5	30.1	25.3	15.8	6.2	12.3	A
3553	0.55	6.60	133.0	66.5	31.5	26.5	16.6	6.4	12.9	A
3554	0.62	1.43	57.5	28.8	13.6	11.4	7.2	2.8	5.6	D
3555	0.75	0.75	19.8	9.9	4.7	3.9	2.5			A
3556	0.75	1.00	57.5	28.8	13.6	11.4	7.2	2.8	5.6	A
3558	0.75	1.85	122.0	61.0	28.9	24.3	15.2	5.9	11.8	A
3507	0.75	2.00	172.5	86.3	40.9		21.5	8.4	16.7	A
3508	0.75	4.00	255.0	127.5	60.5	50.7	31.8	12.4	24.7	A
3557	0.75	8.00	91.0	45.5	21.6	18.1	11.4	4.4	8.8	A
3509	0.75	10.00	337.5	168.8	80.0	67.2	42.1	16.4		A
3510	0.80	1.75	119.0	59.5	28.2		14.8	5.8	11.5	A
3568	1.00	1.00	132.0	66.0	31.3	26.3	16.5	6.4	12.8	A
3511	1.00	1.00	156.8	78.4	37.2		19.6	7.6	15.2	A
3512	1.00	2.00	156.8	78.4	37.2		19.6	7.6	15.2	A
3513	1.00	3.00	210.0	105.0	49.8	41.8	26.2	10.2	20.4	A
3514	1.00	4.00	460.0	230.0	109.1	91.5	57.4	22.3	44.6	A
3515	1.00	10.00	440.0	220.0	104.3	87.5	54.9	21.3		A
3516	1.10	2.50	316.3	158.1	75.0	62.9	39.4	15.3	30.6	A
3559	1.18	1.80	157.0	78.5	37.2	31.2	19.6	7.6	15.2	D
3517	1.25	1.50	215.6	107.8	51.1	42.9	26.9	10.4	20.9	A
3561	1.50	1.50	83.0	41.5	19.7	16.5	10.4	4.0	8.0	E
3560	1.50	2.00	182.0	91.0	43.2	36.2	22.7	8.8	17.6	A
3518	1.50	3.00	378.0	189.0	89.6	75.2	47.2	18.3	36.6	A
3562	1.50	7.00	50.2	25.1	11.9	10.0	6.3	2.4	4.9	A
3519	1.50	8.00	738.0	369.0	175.0	146.8	92.1	35.8		B
3520	1.75	3.00	409.5	204.8	97.1	81.5	51.1	19.8	39.7	A
3563	1.97	2.16	112.0	56.0	26.6	22.3	14.0	5.4	10.9	F
3521	2.00	2.00	112.0	56.0	26.6		14.0	5.4	10.9	A
3564	2.00	3.00	18.0	9.0	4.3	3.6				C
3522	2.00	3.00	441.0	220.5	104.6	87.7	55.0	21.4	42.7	A
3523	2.00	4.00	324.0	162.0	76.8	64.5	40.4	15.7	31.4	A
3565	2.00	5.00	112.6	56.3	26.7	22.4	14.0	5.5	10.9	A
3524	2.00	6.00	612.0	306.0	145.1	121.8	76.3	29.7		A
3525	2.25	4.50	374.6	187.3	88.8	74.5	46.7	18.2	36.3	A
3526	2.50	3.00	622.5	311.3	147.6	123.9	77.7	30.2	60.3	A
3527	2.50	4.00	710.0	355.0	168.4	141.3	88.6	34.4	68.8	A
3528	3.00	3.00	135.0	67.5	32.0	26.9	16.8	6.5	13.1	A
3566	3.00	4.00	82.0	41.0	19.4	16.3	10.2	4.0	7.9	A
3529	3.00	5.00	1065.0	532.5	252.5	211.9	132.9	51.6	103.2	A
3530	3.00	6.00	1278.0	639.0	303.0	254.3	159.4	61.9	123.8	A
3531	3.00	10.00	1440.0	720.0	341.4	286.5	179.6	69.8		A
3532	3.00	12.00	1728.0	864.0	409.7	343.8	215.6	83.7		A
3533	4.00	4.00	768.0	384.0	182.1	152.8	95.8	37.2		A
3567	4.00	6.00	90.0	45.0	21.3	17.9	11.2	4.4	8.7	A
3534	4.00	8.00	1536.0	768.0	364.2	305.6	191.6	74.4		A
3535	4.00	12.00	2304.0	1152.0	546.3	458.4	287.4	111.6		A
3536	5.00	5.00	437.5	218.8	103.7	87.0	54.6	21.2		A
3537	5.00	8.00	200.0	100.0	47.4	39.8	24.9	9.7		A
3538	5.00	10.00	2050.0	1025.0	486.1		255.7	99.3		A
3539	6.00	6.00	1476.0	738.0	350.0		184.1	71.5		A
3540	9.00	12.00	4428.0	2214.0	1049.9		552.4	214.6		A
3541	10.00	15.00	6150.0	3075.0	1458.2		767.2	298.0		A