



# RAPT°R Selection Sheet

**Part number format:**

Sample PN: BKTF-3700-6-34.7-L24-1

Our complete list of rigid and flexible tube heaters is listed on the back.

**BK TF - 3700 - 6 - 37.4 - L24 - 1**

**A**   **B**   **C**   **D**   **E**   **F**   **G**

**A**

**Heater type:**

BK – Kapton Heater

BR – Silicone Rubber Heater

**B**

**Tube and Conductor Type:**

TF - Teflon Tube, Foil Heater

TW - Teflon Tube, Wire Heater (silicone only)

RF - SS Tube, Foil Heater

RW - SS Tube, Wire Heater (silicone only)

**C**

**BPN/ Outer Diameter Size:**

Please choose from standard list on back.

**D**

**Length of Tube**

Please choose from standard list on back.

**E**

**Resistance**

Please choose from standard list on back.

**F**

**Lead Length**

L12 - 12" length

L24 - 24" length

Other lead lengths available upon request after review.

**G**

**Sensor**

0 - No

1 - Thermocouple, Type J with Fiberglass Insulation

2 - RTD, 100 ohms, class B

**Ohm's Law**

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

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

# RAPT°R Selection Sheet

Temperature limitation is 150°C.  
Higher temperature options are available as custom solutions.

RAPT°R heaters are available in Silicone or Kapton®.  
Call to order: 860-739-4170.

<b>BPN</b>	<b>OD</b>	<b>Length</b>	<b>Tube</b>	<b>Resistance Option #1</b>	<b>Resistance Option #2</b>	<b>Resistance Option #3</b>	<b>Resistance Option #4</b>
3700	0.063	6	Teflon	34.7	17.3	8.2	4.3
	0.063	12	Teflon	17.3	8.7	4.1	2.2
	0.063	24	Teflon	7.9	3.9	1.9	1.0
	0.063	6	SS	34.7	17.3	8.2	4.3
	0.063	12	SS	17.3	8.7	4.1	2.2
	0.063	24	SS	7.9	3.9	1.9	1.0
3701	0.125	6	Teflon	44.5	22.2	10.5	5.5
	0.125	12	Teflon	22.2	11.1	5.3	2.8
	0.125	24	Teflon	252.7	126.3	59.9	31.5
	0.125	36	Teflon	163.5	81.7	38.8	20.4
	0.125	6	SS	1111.7	555.9	263.6	138.7
	0.125	12	SS	555.9	277.9	131.8	69.3
3702	0.125	24	SS	252.7	126.3	59.9	31.5
	0.250	6	Teflon	1781.7	890.9	422.5	222.3
	0.250	12	Teflon	890.9	445.4	211.2	111.1
	0.250	24	Teflon	404.9	202.5	96.0	50.5
	0.250	6	SS	1781.7	890.9	422.5	222.3
	0.250	12	SS	890.9	445.4	211.2	111.1
3703	0.250	24	SS	404.9	202.5	96.0	50.5
	0.500	6	Teflon	1898.1	949.1	450.1	236.8
	0.500	12	Teflon	949.1	474.5	225.0	118.4
	0.500	6	SS	1898.1	949.1	450.1	236.8
	0.500	12	SS	949.1	474.5	225.0	118.4
	3704	0.750	6	Teflon	2773.4	1386.7	657.6
0.750		12	Teflon	1386.7	693.4	328.8	173.0
0.750		6	SS	2773.4	1386.7	657.6	346.0
0.750		12	SS	1386.7	693.4	328.8	173.0