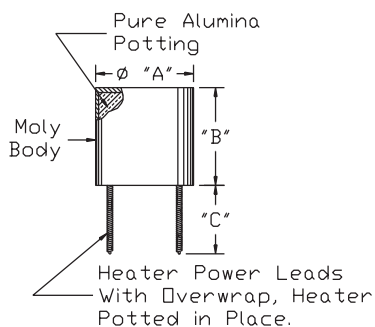
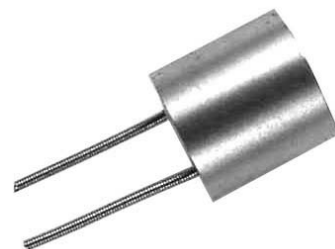


TB-175
UHV Substrate Heaters



Standard Series Cartridge Heaters

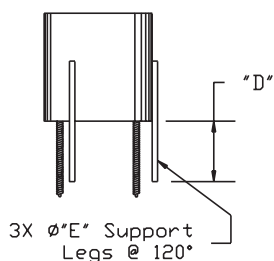
- 1200°C UHV rated
- Molybdenum body
- Al₂O₃ Insulation
- >>10,000 hours in UHV
- Both power leads electrically isolated from the outer body
- Non Gassy
- Available from stock
- See model 101303 temperature controllers for these heaters



Part # w/out Legs	Part # w/Legs	Prev. Ref.	"A"	"B"	"C"	"D"	"E"	Max. Wattage
101118	101119	STD 134	.134	.285	.35	0.50	.015 Re	11
101120	101121	STD 200	.200	.300	.35	0.50	.015 Re	17
101122	101123	STD 250	.250	.350	.35	0.50	.015 Re	23
101124	101125	STD 300	.300	.400	.35	0.50	.015 Re	30
101126	101127	STD 400	.400	.450	.35	0.50	.015 Re	47
101128	101129	STD 500	.500	.500	.35	0.50	.025 Re	82
101130	101131	STD 600	.600	.600	.50	0.50	.025 Re	135
101132	101133	STD 750	.750	.750	.75	0.50	.040 Mo	198
101134	101135	STD 1000	1.000	1.000	1.00	0.60	.040 Mo	300

Part # w/out Legs	Part # w/Legs	Prev. Ref.	900 deg. C			1000 deg. C			1100 deg. C			1200 deg. C			
			Volts	Amps	Watts	Volts	Amps	Watts	Volts	Amps	Watts	Volts	Amps	Watts	Ohms
101118	101119	STD 134	2.90	0.90	2.60	3.70	1.00	3.70	4.70	1.10	5.20	5.80	1.30	7.50	4.40
101120	101121	STD 200	3.50	0.86	3.00	4.80	1.25	6.00	6.20	1.37	8.50	7.50	1.53	11.50	4.90
101122	101123	STD 250	3.30	1.36	4.50	4.80	1.67	8.00	6.30	1.83	11.50	7.60	1.97	15.00	3.90
101124	101125	STD 300	4.80	1.46	7.00	6.50	1.69	11.00	8.20	1.89	15.50	9.80	2.04	20.00	4.80
101126	101127	STD 400	4.00	2.75	11.00	5.60	3.39	19.00	7.20	3.75	27.00	8.60	4.07	35.00	2.10
101128	101129	STD 500	5.00	4.00	20.00	7.00	4.57	32.00	8.40	5.24	44.00	10.20	5.39	55.00	1.90
101130	101131	STD 600	3.90	7.70	30.00	4.70	9.57	45.00	5.80	11.20	65.00	7.00	12.86	90.00	0.50
101132	101133	STD 750	5.00	8.00	40.00	6.70	9.55	64.00	8.80	11.10	98.00	10.50	12.57	132.00	0.80
101134	101135	STD 1000	6.40	10.50	67.00	8.70	12.30	107.00	11.00	14.00	154.00	13.50	14.80	200.00	0.90

Note: V, I, T data is taken with bare heater in 1x10⁻⁶ Torr. AC operation is preferred, DC is acceptable. Consult factory for details. Data reprinted courtesy of Spectra-Mat, Inc.



Cartridge Heaters with Legs

- Same as the cartridge heaters but with added "tripod" support legs.
- Excellent stability and thermal isolation
- See Model 101303 temperature controllers for these heaters

