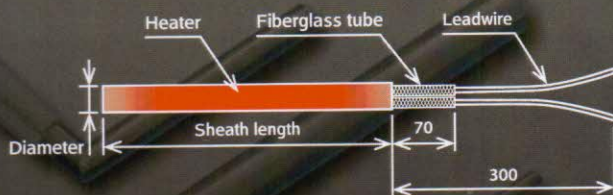
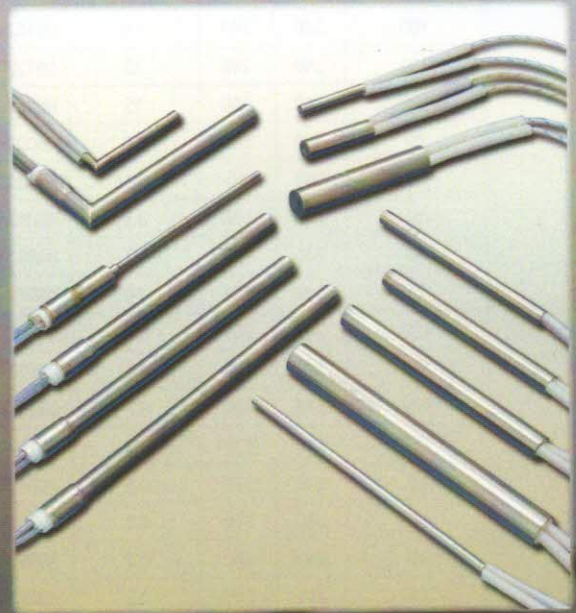


HI-SD ROD CARTRIDGE HEATER

Features

- ▶ Customization on voltage , wattage , shape and material etc
- ▶ Multi circuit
- ▶ Built-in thermocouple
- ▶ Intentional distributed wattage



Specification of standard item

Nominal diameter	5mm 6mm 8mm 10mm 12mm 14mm 16mm
Tolerance on sheath length	±2%(minimum ±2.4mm)
Tolerance on wattage	±15% up to 100W, ±10% up to 1000W at RT
Heat resistance temperature of lead wire	200°C

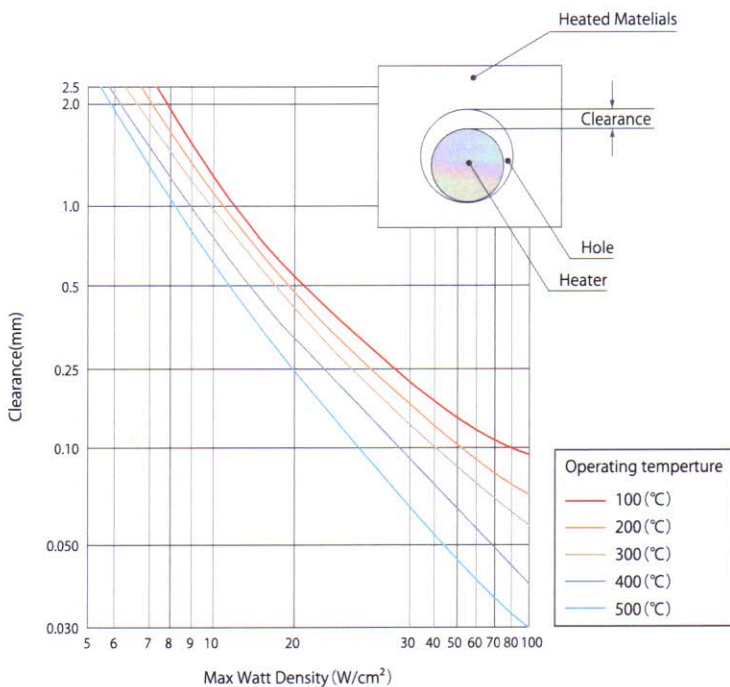
⚠ Caution on operation

- ▶ For insertion heating, the smaller clearance the better thermal efficiency between hole and heater.
- ▶ Precise hole dimensioning is required for high temperature operation.
- ▶ Inside insertion hole must be without any contamination.
- ▶ Less than 400 deg.C at heater surface provides safety operation.
- ▶ Mounting method to insertion hole can be advised by sales representative. Improper mounting may cause unexpected failure.

Heater Code Number

Diameter (φ)	Sheath Length (mm)	Volts	Watts	Watt Density (W/cm ²)	Code Number
5	40	240	40	8.7	05042404
	50	240	60	9.8	05052406
	70	240	80	9.3	05072408
6	30	240	50	14	06032405
	45	240	60	9.4	06042406
	45	240	120	19	06042412
	60	240	75	8.8	06062407
	90	240	240	17	06092424
	100	240	200	13	06102420
	100	240	240	15	06102424
	120	240	200	10	06122420
	120	240	300	15	06122430
	75	240	100	8.8	06072410
8	50	240	50	5.1	08052405
	60	240	100	8.8	08062410
	60	240	200	18	08062420
	75	240	150	10	08072415
	100	240	200	9.3	08102420
	100	240	300	14	08102430
	120	240	300	12	08122430
	150	240	350	10	08152435
10	40	240	120	13	10042412
	60	240	120	8.5	10062412
	80	240	180	8.8	10082418
	80	240	240	12	10082424
	100	240	240	9.0	10102424
	100	240	250	9.3	10102425
	150	240	300	7.0	10152430
	150	240	360	8.5	10152436
	200	240	300	5.2	10202430
	200	240	400	6.9	10202440
	250	240	500	6.8	10252450
	250	240	400	5.4	10252440

Diameter (φ)	Sheath Length (mm)	Volts	Watts	Watt Density (W/cm ²)	Code Number
12	60	240	150	8.8	12062415
	80	240	240	9.8	12082424
	100	240	200	6.2	12102420
	100	240	250	7.8	12102425
	150	240	300	5.9	12152430
	150	240	250	4.9	12152425
	150	240	360	7.1	12152436
	200	240	250	3.6	12202425
	200	240	300	4.3	12202430
	200	240	400	5.7	12202440
	200	240	500	7.2	12202450
	250	240	500	5.7	12252450
	300	240	400	3.7	12302440
14	40	240	150	12	14042415
	40	240	200	16	14042420
	60	240	150	7.6	14062415
	60	240	200	10	14062420
16	100	240	300	7.0	16102430
	150	240	500	7.4	16152450
	200	240	700	7.5	16202470
	200	240	1000	10.8	16202400



Reference data

Chart for maximum watt density and clearance

How to check the proper figures?

- ◆ Select the product and check its watt density (W/cm²).
- ◆ Determine the maximum operating temperature of heated material.
- ◆ Y-axis at the intersection of X-axis (watt density) and temperature's curved line shows allowable maximum clearance.
- ◆ According to applications, this graph may not be applicable.
- ◆ This graph is just reference.