

# Cartridge Heaters

## High Temperature Type

Be sure to refer to "Precautions for Use" in the Cartridge Heater Overview on P.1605.

**MHK** (No Flange)

**MHKA** (Flange Shape A)

**MHKB** (Flange Shape B)

RoHS 10

Material: Heater: Incoloy  
Lead Wire: Glass Braid Lead (Heat Resistance Temperature: 200°C)

**L Tolerance**

L	Tolerance
101.6 or Less	±2.4
127.0 or More	L dimension ±2%

**Features of the Cartridge Heater - High Temperature Type**  
This cartridge heater has higher electrical power density and excels in thermal efficiency compared with conventional products.  
Sheath part, made of Incoloy that excels in heat-resistance, is strong and has long operation life.

**Precautions for Use**  
Do not let the heaters run idle in the atmosphere. If the heater is used with some or the whole of the heating element projected from the heated objects, the wire may break or ignite due to abnormal heating.  
Pay attention to insulation tube as it is easy to fall off.  
Keep the temperature around the lead wire exit at 130°C or less.

### High Temperature Type

Part Number	L	V (Voltage) Selection	W (Electric Power)	Electrical Power Density (W/cm <sup>2</sup> )	Unit Price Qty. 1 - 10
MHK	6.25	25.4	120	80	32.3
			120	100	40.3
			120	150	60.5
		31.8	120	75	20.2
			120	100	26.8
			120	125	33.7
	38.1	240	150	40.3	
			200	53.6	
			200	20.2	
		120	150	30.2	
			150	30.2	
			175	35.4	
	50.8	240	200	40.3	
			250	50.4	
			50	7.4	
		120	100	13.5	
			150	20.2	
			150	20.2	
	76.2	240	200	26.8	
			250	26.8	
			250	33.6	
		120	100	8.1	
			150	12.1	
			200	16.1	
101.6	240	200	16.1		
		250	20.2		
		250	20.2		
	120	100	5.7		
		150	8.7		
		200	11.5		
152.4	240	200	11.5		
		250	14.4		
		250	14.4		
	120	300	17.2		
		300	17.2		
		300	11.0		
MHKA	9.42	25.4	120	50	13.2
			120	100	26.7
			120	150	40.1
	MHKB	31.8	120	75	13.2
				100	17.5
				125	22.0
38.1		120	150	26.4	
			150	26.4	
			200	35.7	
50.8	240	150	26.4		
		200	35.7		
		200	20.2		
	120	75	10.1		
		100	13.2		
		150	19.7		
76.2	240	150	19.7		
		200	26.4		
		200	26.4		
	120	100	10.1		
		150	19.7		
		150	19.7		
101.6	240	200	26.4		
		250	26.4		
		250	33.5		
	120	120	13.3		
		150	15.8		
		175	18.9		
152.4	240	200	21.2		
		250	26.7		
		250	26.7		
	120	50	4.3		
		100	8.7		
		150	13.2		
MHK	9.42	25.4	120	50	13.2
			120	100	26.7
			120	150	40.1
	MHKA	31.8	120	75	13.2
				100	17.5
				125	22.0
38.1		120	150	26.4	
			150	26.4	
			200	35.7	
MHKB	50.8	240	150	26.4	
			200	35.7	
			200	20.2	
	120	75	10.1		
		100	13.2		
		150	19.7		
101.6	240	200	26.4		
		250	26.4		
		250	33.5		
	120	120	13.3		
		150	15.8		
		175	18.9		
152.4	240	200	21.2		
		250	26.7		
		250	26.7		
	120	50	4.3		
		100	8.7		
		150	13.2		

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Part Number	L	V (Voltage) Selection	W (Electric Power)	Electrical Power Density (W/cm <sup>2</sup> )	Unit Price Qty. 1 - 10	
MHK	9.42	177.8	120	250	5.1	
			120	600	12.4	
			240	600	12.4	
		203.2	120	300	5.3	
				450	7.9	
				500	9.0	
	240		500	9.0		
			600	10.7		
			750	13.2		
	254.0	240	1000	17.5		
			400	5.6		
			500	7.0		
		240	600	8.4		
			800	11.2		
			1000	14.0		
	304.8	120	400	4.7		
			600	7.0		
			600	7.0		
		240	600	7.0		
			1000	11.5		
			1000	11.5		
	MHKA	12.6	31.8	120	125	16.6
				120	150	15.0
				120	75	5.0
50.8			120	150	8.4	
				200	13.3	
				200	10.5	
		240	200	10.5		
			250	16.7		
			250	16.7		
57.2		120	250	13.2		
			300	15.8		
			300	15.8		
		240	400	21.4		
			400	21.4		
			600	32.2		
88.9		120	250	11.2		
			300	13.3		
			300	13.3		
		240	500	22.3		
			500	22.3		
			500	22.3		
101.6		120	150	5.7		
			200	7.6		
			250	9.5		
	240	250	9.5			
		300	11.3			
		300	11.3			
127.0	120	400	15.0			
		400	15.0			
		500	18.9			
	240	400	15.0			
		500	18.9			
		500	18.9			
152.4	120	150	4.5			
		200	5.9			
		300	8.8			
	240	300	8.8			
		500	14.7			
		500	14.7			
MHK	12.6	63.5	120	250	6.0	
			120	300	7.3	
			240	300	7.3	
	76.2	120	400	9.8		
			400	9.8		
			500	12.2		
240		500	12.2			
		600	14.6			
		600	14.6			
88.9	120	250	6.0			
		300	7.3			
		300	7.3			
	240	400	9.8			
		400	9.8			
		500	12.2			

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**Ordering Example**  
Part Number - L - V - W  
MHK6.25 - 25.4 - V120 - W80  
MHK12.6 - 203.2 - V120 - W500

Part Number	L	V (Voltage) Selection	W (Electric Power)	Electrical Power Density (W/cm <sup>2</sup> )	Unit Price Qty. 1 - 10	
MHK	12.6	101.6	120	150	4.3	
			240	150	4.3	
			240	250	7.1	
		127.0	120	250	7.1	
				300	8.7	
				300	8.7	
	240		400	11.5		
			400	11.5		
			500	14.3		
	152.4	120	500	14.3		
			500	14.3		
			750	23.9		
		240	250	5.7		
			250	5.7		
			400	9.1		
	MHKA	15.77	76.2	120	150	4.8
				120	250	8.1
				240	250	8.1
			101.6	120	500	16.0
					500	16.0
					750	23.9
		240		250	5.7	
				250	5.7	
				400	9.1	
127.0		120	500	11.3		
			500	11.3		
			750	17.1		
		240	1000	22.6		
			250	4.3		
			250	4.3		
177.8		120	250	4.3		
			250	4.3		
			500	8.8		
		240	250	13.3		
			300	4.3		
			300	4.3		
203.2		120	500	7.1		
			500	7.1		
			750	10.9		
	240	250	14.4			
		1000	21.7			
		1000	21.7			
254.0	120	500	6.1			
		500	6.1			
		1000	12.2			
	240	500	5.3			
		500	5.3			
		850	9.0			
304.8	120	1000	10.5			
		1200	12.7			
		1500	15.8			
	240	2000	21.1			
		500	4.2			
		600	5.0			
MHK	12.6	203.2	240	1000	8.4	
			240	1600	13.3	
			240	2000	16.7	
	254.0	120	500	3.4		
			1000	7.0		
			1500	10.4		
240		2000	14.0			
		250	6.7			
		500	13.3			
304.8	120	500	5.3			
		500	5.3			
		800	10.7			
	240	1000	13.3			
		1000	13.3			
		1500	20.0			
15.77	76.2	240	500	5.9		
		240	1000	11.8		
		240	1000	11.8		
	254.0	120	500	5.3		
			500	5.3		
			800	8.4		
240		1000	10.5			
		1000	10.5			
		1500	15.8			
304.8	120	600	5.3			
		600	5.3			
		1000	8.7			
	240	1000	8.7			
		1500	13.0			
		2000	17.4			
18.95	76.2	120	250	6.7		
		240	500	13.3		
		240	500	9.5		
	254.0	120	1000	19.0		
			500	6.0		
			500	6.0		
240		1000	12.1			
		2000	24.2			
		2000	24.2			
304.8	120	500	4.5			
		500	4.5			
		1000	8.8			
	240	1000	17.7			
		1000	7.0			
		2000	14.0			

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