

Polyimide Insulated Flexible Heaters

KHRA, KHLVA, KHA Series



€47,50 KHLVA-101/5



- Rated up to 302°F (150°C)
- Etched Foil Design
- 0.010" Maximum Thickness
- 2.5, 5, or 10 Watts/In²
- 115 Volts and 28 Volts
- Optional Pressure- Sensitive Adhesive (PSA)
- Silicone rubber used as a strain relief

Description

Polyimide Film insulated (also known as Kapton) flexible heaters are available in a variety of shapes, sizes, and wattages. Wattage ratings are 2.5, 5, or 10W/in² at 115 or 28 V. Polyimide Film offers a high degree of resistance to chemicals. Flexible nature can fit into Intrinsic voids & can be applied very Easily

Operating temperature without PSA is -57°C to 150°C, and with PSA, these heaters operate at temperatures between -40°C and 149°C

Typical construction consists of an etched foil element of 0.0005" or 0.0001" thickness which is encapsulated between two layers of 0.002" Polyimide Film and 0.001" FEP adhesive.

KHLVA Series, Rectangular, 28 Volts

Without PSA	With PSA	Width, In.(cm)	Length, In.(cm)	Total Wattage for Watt Density		
Model No.	Model No.			2.5W/in ²	5W/in ²	10W/in ²
KHLVA-0502/(*)	KHLVA-0502/(*)-P	0.5 (1.27)	2 (5.08)	—	5	10
KHLVA-0504/(*)	KHLVA-0504/(*)-P	0.5 (1.27)	4 (10.16)	5	10	20
KHLVA-101/(*)	KHLVA-101/(*)-P	1 (2.54)	1 (2.54)	—	5	10
KHLVA-102/(*)	KHLVA-102/(*)-P	1 (2.54)	2 (5.08)	5	10	20
KHLVA-103/(*)	KHLVA-103/(*)-P	1 (2.54)	3 (7.62)	7.5	15	30
KHLVA-104/(*)	KHLVA-104/(*)-P	1 (2.54)	4 (10.16)	10	20	40
KHLVA-105/(*)	KHLVA-105/(*)-P	1 (2.54)	5 (12.7)	12.5	25	50
KHLVA-202/(*)	KHLVA-202/(*)-P	2 (5.08)	2 (5.08)	10	20	40
KHLVA-203/(*)	KHLVA-203/(*)-P	2 (5.08)	3 (7.62)	15	30	60
KHLVA-204/(*)	KHLVA-204/(*)-P	2 (5.08)	4 (10.16)	20	40	80
KHLVA-205/(*)	KHLVA-205/(*)-P	2 (5.08)	5 (12.7)	25	50	100
KHLVA-303/(*)	KHLVA-303/(*)-P	3 (7.62)	3 (7.62)	22.5	45	90

KHA Series, Rectangular, 115 Volts

Without PSA	With PSA	Width, In.(cm)	Length, In.(cm)	Total Wattage for Watt Density	
Model No.	Model No.			5W/in ²	10W/in ²
KHA-102/(*)	KHA-102/(*)-P	1 (2.54)	2 (5.08)	—	30
KHA-103/(*)	KHA-103/(*)-P	1 (2.54)	3 (7.62)	—	30

KHA-104/(*)	KHA-104/(*)-P	1 (2.54)	4 (10.16)	20	40
KHA-105/(*)	KHA-105/(*)-P	1 (2.54)	5 (12.7)	25	50
KHA-106/(*)	KHA-106/(*)-P	1 (2.54)	6 (15.24)	30	60
KHA-108/(*)	KHA-108/(*)-P	1 (2.54)	8 (20.32)	40	80
KHA-110/(*)	KHA-110/(*)-P	1 (2.54)	10 (25.4)	50	100
KHA-112/(*)	KHA-112/(*)-P	1 (2.54)	12 (30.48)	60	120
KHA-202/(*)	KHA-202/(*)-P	2 (5.08)	2 (5.08)	20	40
KHA-203/(*)	KHA-203/(*)-P	2 (5.08)	3 (7.62)	30	60
KHA-204/(*)	KHA-204/(*)-P	2 (5.08)	4 (10.16)	40	80
KHA-205/(*)	KHA-205/(*)-P	2 (5.08)	5 (12.7)	50	100
KHA-206/(*)	KHA-206/(*)-P	2 (5.08)	6 (15.24)	60	120
KHA-208/(*)	KHA-208/(*)-P	2 (5.08)	8 (20.32)	80	160
KHA-210/(*)	KHA-210/(*)-P	2 (5.08)	10 (25.4)	100	200
KHA-212/(*)	KHA-212/(*)-P	2 (5.08)	12 (30.48)	120	240
KHA-303/(*)	KHA-303/(*)-P	3 (7.62)	3 (7.62)	45	90
KHA-304/(*)	KHA-304/(*)-P	3 (7.62)	4 (10.16)	60	120
KHA-305/(*)	KHA-305/(*)-P	3 (7.62)	5 (12.7)	75	150
KHA-306/(*)	KHA-306/(*)-P	3 (7.62)	6 (15.24)	90	180
KHA-308/(*)	KHA-308/(*)-P	3 (7.62)	8 (20.32)	120	240
KHA-310/(*)	KHA-310/(*)-P	3 (7.62)	10 (25.4)	150	300
KHA-312/(*)	KHA-312/(*)-P	3 (7.62)	12 (30.48)	180	360
KHA-404/(*)	KHA-404/(*)-P	4 (10.16)	4 (10.16)	80	160
KHA-405/(*)	KHA-405/(*)-P	4 (10.16)	5 (12.7)	100	200
KHA-406/(*)	KHA-406/(*)-P	4 (10.16)	6 (15.24)	120	240
KHA-408/(*)	KHA-408/(*)-P	4 (10.16)	8 (20.32)	160	320
KHA-410/(*)	KHA-410/(*)-P	4 (10.16)	10 (25.4)	200	400
KHA-412/(*)	KHA-412/(*)-P	4 (10.16)	12 (30.48)	240	480
KHA-505/(*)	KHA-505/(*)-P	5 (12.7)	5 (12.7)	125	250
KHA-506/(*)	KHA-506/(*)-P	5 (12.7)	6 (15.24)	150	300
KHA-508/(*)	KHA-508/(*)-P	5 (12.7)	8 (20.32)	200	400
KHA-510/(*)	KHA-510/(*)-P	5 (12.7)	10 (25.4)	250	500
KHA-512/(*)	KHA-512/(*)-P	5 (12.7)	12 (30.48)	300	600
KHA-606/(*)	KHA-606/(*)-P	6 (15.24)	6 (15.24)	180	360
KHA-608/(*)	KHA-608/(*)-P	6 (15.24)	8 (20.32)	240	480
KHA-610/(*)	KHA-610/(*)-P	6 (15.24)	10 (25.4)	300	600
KHA-612/(*)	KHA-612/(*)-P	6 (15.24)	12 (30.48)	360	720
KHA-808/(*)	KHA-808/(*)-P	8 (20.32)	8 (20.32)	320	640
KHA-810/(*)	KHA-810/(*)-P	8 (20.32)	10 (25.4)	400	800
KHA-812/(*)	KHA-812/(*)-P	8 (20.32)	12 (30.48)	480	960
KHA-1010/(*)	KHA-1010/(*)-P	10 (25.4)	10 (25.4)	500	1000
KHA-1012/(*)	KHA-1012/(*)-P	10 (25.4)	12 (30.48)	600	1200
KHA-1212/(*)	KHA-1212/(*)-P	12 (30.48)	12 (30.48)	720	144

n/a = not availabe with PSA.

Comes with complete operator's manual.

/*Insert watt density: two for 2.5 W/in² , 5 for 5 W/in² or 10 for 10W/in².

Note: Heaters are available in only the watt densities where total wattage is indicated.

KHRA Series, Round, 115 Volts

Without PSA	With PSA	Dia.	Total Wattage for Watt Density	
Model No.	Model No.	In.(cm)	5W/in ²	10W/in ²

KHRA-2/(*)	KHRA-2/(*)-P	2 (5.08)	—	31.4
KHRA-3/(*)	KHRA-3/(*)P	3 (7.62)	35.3	70.7
KHRA-4/(*)	KHRA-4/(*)-P	4 (10.16)	62.8	126
KHRA-5/(*)	KHRA-5/(*)-P	5 (12.7)	98.2	196
KHRA-6/(*)	KHRA-6/(*)-P	6 (15.24)	141	283
KHRA-8/(*)	KHRA-8/(*)-P	8 (20.32)	251	503
KHRA-10/(*)	KHRA-10/(*)-P	10 (25.4)	393	785
KHRA-12/(*)	KHRA-12/(*)-P	12 (30.48)	565	1131

Comes with complete operator's manual.

/(*) Insert watt density: 2 for 2.5 W/in², 5 for 5 W/in² or 10 for 10W/in².

** Heaters with pressure sensitive adhesive: maximum operating temperature is 250°F (120°C).

Note: Heaters are available in only the watt densities where total wattage is indicated.

Order By Part Number

Part Number	Qty	Part Number	Qty
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

† All amounts shown in EUR

Ordering Example: (1) KHA-110/5 Polyimide Film Heater, €49.00 plus (1) KHA-110/5-P Polyimide Film Heater, €69.00, €49.00 + 69.00 = €118.00

Part Number Builder

Build Your Part Number Below

(1) (2) (3) (4)

KHRA - 2 / 2

Contact our sales team for pricing: sales@omega.nl

Option Descriptions:

(1) Series *select from:*

KHRA for KHRA Series Available in 5 and 10 W/in²

KHLVA for KHLVA Series Available in 2.5 and 5 and 10 W/in²

KHA for KHA Series Available in 5 and 10 W/in²

(2) Diameter (cm) Width (cm) and Length (cm) *select from:*

2 for Diameter 5 cm (2 in) for KHRA model

3 for Diameter 7.6 cm (3 in) for KHRA model

4 for Diameter 10 cm (4 in) for KHRA model

5 for Diameter 13 cm (5 in) for KHRA model

6 for Diameter 15 cm (6 in) for KHRA model

7 for Diameter 18 cm (7 in) for KHRA model

8 for Diameter 20 cm (8 in) for KHRA model

9 for Diameter 23 cm (9 in) for KHRA model

10 for Diameter 25 cm (10 in) for KHRA model

11 for Diameter 28 cm (11 in) for KHRA model

12 for Diameter 30 cm (12 in) for KHRA model

101 for Width 2.5 cm (1 in) Length 2.5 cm (1 in) for KHLVA model

102 for Width 2.5 cm (1 in) Length 5 cm (2 in) for KHLVA model

103 for Width 2.5 cm (1 in) Length 7.6 cm (3 in) for KHLVA and KHA models

104 for Width 2.5 cm (1 in) Length 10 cm (4 in) KHLVA and KHA models

105 for Width 2.5 cm (1 in) Length 13 cm (5 in) KHLVA and KHA models

106 for Width 2.5 cm (1 in) Length 15 cm (6 in) for KHA model

108 for Width 2.5 cm (1 in) Length 20 cm (8 in) for KHA model

110 for Width 2.5 cm (1 in) Length 25 cm (10 in) for KHA model

112 for Width 2.5 cm (1 in) Length 30 cm (12 in) for KHA model

202 for Width 5 cm (2 in) Length 5 cm (2 in) KHLVA and KHA models

203 for Width 5 cm (2 in) Length 7.6 cm (3 in) for KHA model

204 for Width 5 cm (2 in) Length 10 cm (4 in) for KHA model

205 for Width 5 cm (2 in) Length 13 cm (5 in) for KHA model

206 for Width 5 cm (2 in) Length 15 cm (6 in) for KHA model

208 for Width 5 cm (2 in) Length 20 cm (8 in) for KHA model

210 for Width 5 cm (2 in) Length 25 cm (10 in) for KHA model

212 for Width 5 cm (2 in) Length 30 cm (12 in) for KHA model

303 for Width 7.6 cm (3 in) Length 7.6 cm (3 in) for KHA model

304 for Width 7.6 cm (3 in) Length 10 cm (4 in) for KHA model

305 for Width 7.6 cm (3 in) Length 13 cm (5 in) for KHA model

306 for Width 7.6 cm (3 in) Length 15 cm (6 in) for KHA model

308 for Width 7.6 cm (3 in) Length 20 cm (8 in) for KHA model

310 for Width 7.6 cm (3 in) Length 25 cm (10 in) for KHA model

312 for Width 7.6 cm (3 in) Length 30 cm (12 in) for KHA model

404 for Width 10 cm (4 in) Length 10 cm (4 in) for KHA model

405 for Width 10 cm (4 in) Length 13 cm (5 in) for KHA model

406 for Width 10 cm (4 in) Length 15 cm (6 in) for KHA model

408 for Width 10 cm (4 in) Length 20 cm (8 in) for KHA model

410 for Width 10 cm (4 in) Length 25 cm (10 in) for KHA model

412 for Width 10 cm (4 in) Length 30 cm (12 in) for KHA model

0502 for Width 1 cm (0.5 in) Length 5 cm (2 in) for KHLVA model

0504 for Width 1 cm (0.5 in) Length 10 cm (4 in) for KHLVA model

505 for Width 13 cm (5 in) Length 13 cm (5 in) for KHA model

506 for Width 13 cm (5 in) Length 15 cm (6 in) for KHA model

508 for Width 13 cm (5 in) Length 20 cm (8 in) for KHA model

510 for Width 13 cm (5 in) Length 25 cm (10 in) for KHA model

512 for Width 13 cm (5 in) Length 30 cm (12 in) for KHA model

606 for Width 15 cm (6 in) Length 15 cm (6 in) for KHA model

608 for Width 15 cm (6 in) Length 20 cm (8 in) for KHA model

610 for Width 15 cm (6 in) Length 25 cm (10 in) for KHA model

612 for Width 15 cm (6 in) Length 30 cm (12 in) for KHA model

808 for Width 20 cm (8 in) Length 20 cm (8 in) for KHA model

810 for Width 20 cm (8 in) Length 25 cm (10 in) for KHA model

812 for Width 20 cm (8 in) Length 30 cm (12 in) for KHA model

1010 for Width 25 cm (10 in) Length 25 cm (10 in) for KHA model

1012 for Width 25 cm (10 in) Length 30 cm (12 in) for KHA model

1212 for Width 30 cm (12 in) Length 30 cm (12 in) for KHA model

(3) Wattage Density *select from:*

2 for 2.5 W/in²

5 for 5 W/in²

10 for 10 W/in²

(4) PSA (Adhesive) *select from:*

Nothing(leave field blank) for without PSA

-P for with PSA

Note: All combinations may not be valid, check spec sheet for valid part numbers.

Related Products:



KHA-KIT

POLYIMIDE HEATER KIT



XRU1D Series

STANDARD TERMINAL BLOCK RELAYS



5TC SERIES

Ready-Made Insulated Thermocouples



SRFR and SRFG Series

Flexible Silicone Rubber Fiberglass Insulated Heaters



CN6221 Series

1/16 DIN Limit Controller
