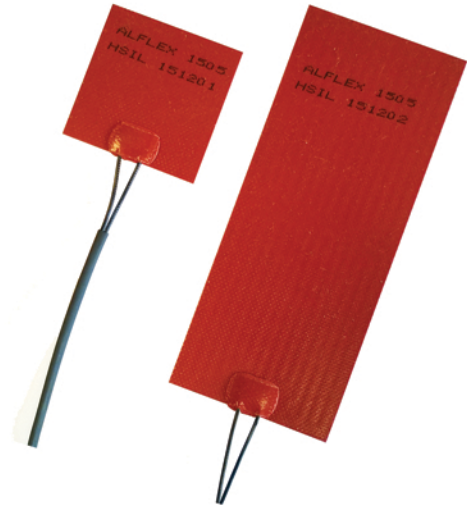


Alflex has a selection of heaters available on stock for an 5-7 days delivery to customers. The heaters are designed to a certain resistance and can be operated under different voltages to give different power as shown in the tables below. The heaters can be incorporated directly into a heating application, if the performance is right, or be used as a test heater to figure out the appropriate surface power for the specific application before ordering a tailor made heater.

Note. At surface power over ca 0,4/cm² the heater requires good contact with a suitable heat sink.

The lead wire length of stock heaters is 200mm. The wire insulation is silicone rubber for both Polyimide and silicone rubber heaters. More specifications of each heater type can be found in the corresponding data sheet.



Silicone rubber

Silicon rubber is a rugged, flexible material with excellent temperature properties, max 200°C. Fiberglassreinforced silicone rubber gives your heater dimension stability without sacrificing flexibility. The silicone heater is chemical resistant and can be cold laminated with adhesive to various surfaces.

	Silicone				Voltage (V)					
	X (mm)	Y (mm)	Area (cm ²)	Resistance (Ohm)	12	24	48	110	230	400
					Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)
HSIL102985	25	50	12,5	56,9	2,5	10,1	40,5			
HSIL102987	50	50	25	28,8	5,0	20,0	80,0			
HSIL102989	50	100	50	14,4	10,0	40,0	160,0			
HSIL102991	95	110	100	151			15,3	80,0	350,3	
HSIL102993	95	200	200	75,5			30,5	160,3	700,7	
HSIL102995	95	200	200	331				36,6	159,8	483,4
HSIL102997	190	200	400	37,8			61,0	320,1	1399,5	
HSIL102999	190	200	400	165				73,3	320,6	969,7
HSIL103001	190	300	600	110				110,0	480,9	1454,5
HSIL103003	Ø 50		20	18,9	7,6	30,5				
HSIL103005	Ø 70		38	19,2	7,5	30,0	120,0			
HSIL103007	Ø 100		79	9	16,0	64,0	256,0			
HSIL103009	Ø 150		177	16,5		34,9	139,6	733,3		
HSIL103011	Ø 200		314	211,6				57,2	250,0	756,1

Polyimide

Polyimide is a thin, semi-transparent material with excellent dielectric strength. It is also resistant to most chemical acids and basis. Temperature range as low as -271°C (liquid helium) and as high as 200°C.

	Polyimide				Voltage (V)							
	X (mm)	Y (mm)	Area (cm ²)	Resistance (Ohm)	1,5	3	4,5	6	9	12	24	48
					Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)	Power (W)
HPMD102831	25	50	12,5	1,9	1,2	4,7	10,7	18,9				
HPMD102833	50	50	25	3,6	0,6	2,5	5,6	10,0	22,5	40,0		
HPMD102835	50	100	50	1,8	1,3	5,0	11,3	20,0	45,0	80,0		
HPMD102837	100	100	100	3,6		2,5	5,6	10,0	22,5	40,0	160,0	
HPMD102839	100	200	200	1,8		5,0	11,3	20,0	45,0	80,0	320,0	
HPMD102841	195	200	400	3,6				10,0	22,5	40,0	160,0	640,0
HPMD102843	195	300	600	2,4				15,0	33,8	60,0	240,0	960,0

Alflex, your partner in Thermal Solutions!