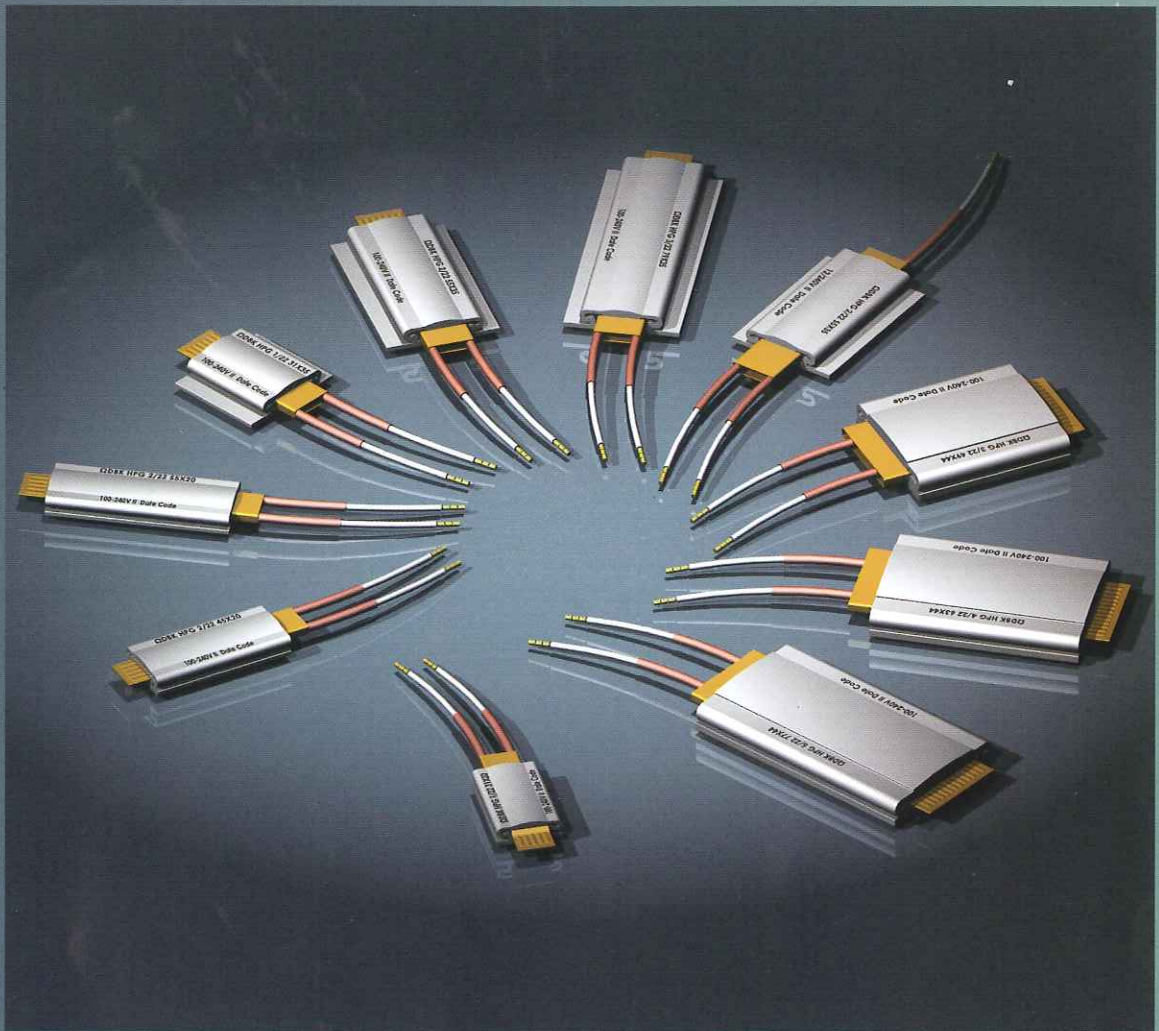
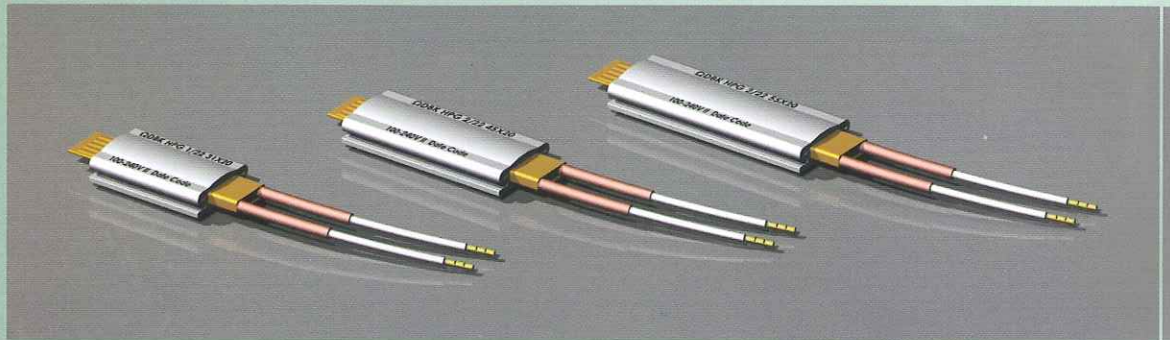


Contact type PTC heating elements

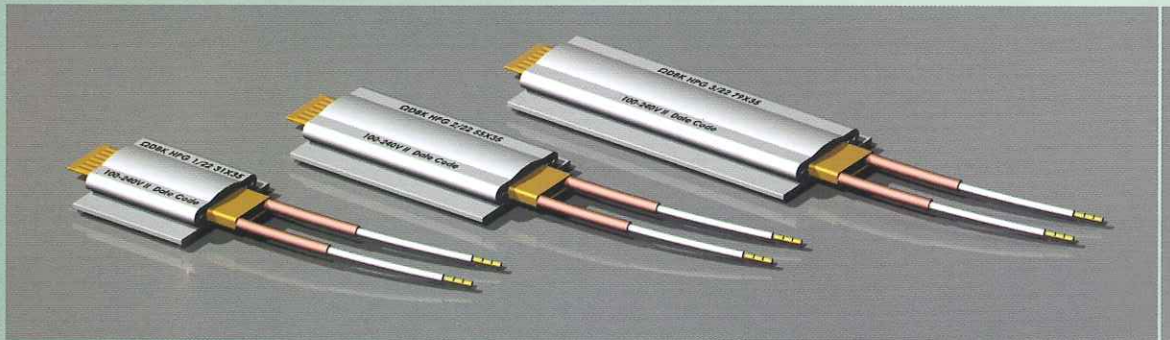


20 Series



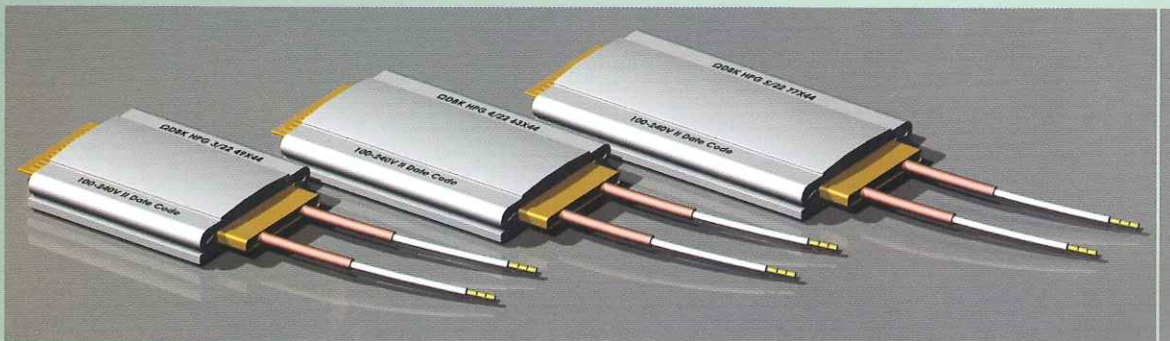
Technical Data		HPG 1/22 31X20	HPG 2/22 45X20	HPG 2/22 55X20
Operating Voltage Range	V	100 - 240	100 - 240	100 - 240
Nominal Power (With good heatsink environment)	W	70	100	130
Maximum Inrush Current @ 110V	A	< 2.0	< 2.5	< 3.5
Termination		Splice Crimp 6mm	Splice Crimp 6mm	Splice Crimp 6mm

35 Series

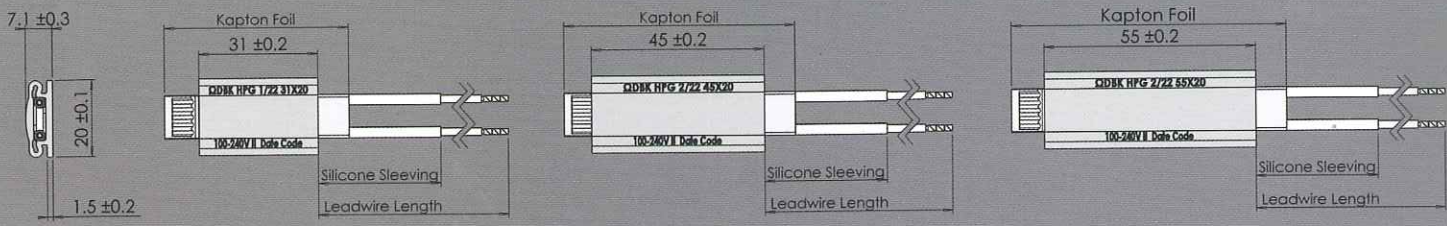


Technical Data		HPG 1/22 31X35	HPG 2/22 55X35	HPG 3/22 79X35
Operating Voltage Range	V	100 - 240	100 - 240	100 - 240
Nominal Power (With good heatsink environment)	W	100	170	230
Maximum Inrush Current @ 110V	A	< 2.0	< 3.5	< 6.0
Termination		Splice Crimp 6mm	Splice Crimp 6mm	Splice Crimp 6mm

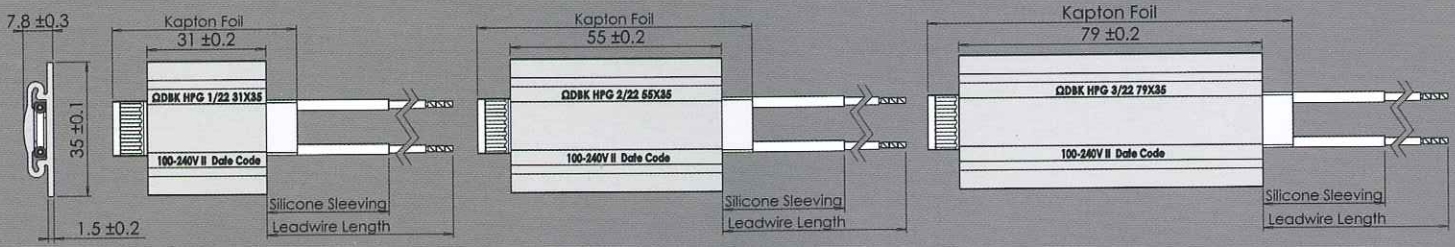
44 Series



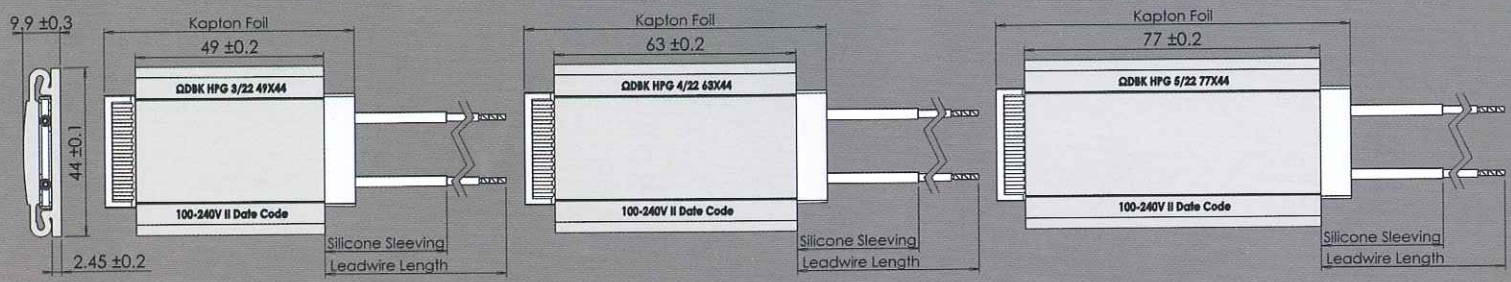
Technical Data		HPG 3/22 49X44	HPG 4/22 63X44	HPG 5/22 77X44
Operating Voltage Range	V	100 - 240	100 - 240	100 - 240
Nominal Power (With good heatsink environment)	W	230	280	330
Maximum Inrush Current @ 110V	A	< 8.0	< 10.0	< 13.0
Termination		Splice Crimp 6mm	Splice Crimp 6mm	Splice Crimp 6mm



		HPG 1/22 31X20	HPG 2/22 45X20	HPG 2/22 55X20
Effective Heating Surface	Length x Width	31 x 20	45 x 20	55 x 20
Silicone leadwire Length / Type		120 ± 5.0 / AWG 20	120 ± 5.0 / AWG 20	120 ± 5.0 / AWG 20
Silicone fibreglass sleeving Length		30 ± 2.0	30 ± 2.0	30 ± 2.0
Kapton foil Length		48 ± 1.0	59.5 ± 1.0	71 ± 1.0



		HPG 1/22 31X35	HPG 2/22 55X35	HPG 3/22 79X35
Effective Heating Surface	Length x Width	31 x 35	55 x 35	79 x 35
Silicone leadwire Length / Type		120 ± 5.0 / AWG 20	120 ± 5.0 / AWG 20	120 ± 5.0 / AWG 20
Silicone fibreglass sleeving Length		30 ± 2.0	30 ± 2.0	30 ± 2.0
Kapton foil Length		48 ± 1.0	71 ± 1.0	94 ± 1.0

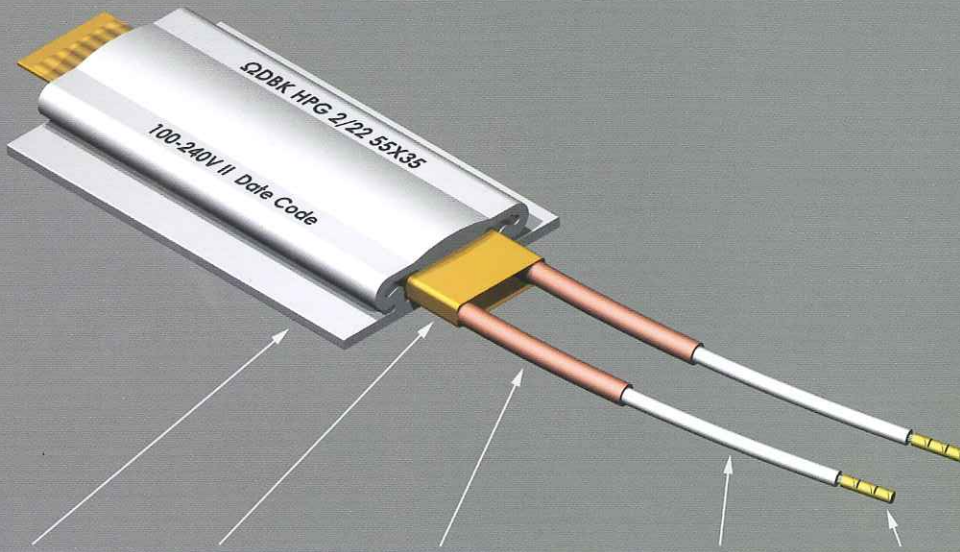


		HPG 3/22 49X44	HPG 4/22 63X44	HPG 5/22 77X44
Effective Heating Surface	Length x Width	49 x 44	63 x 44	77 x 44
Silicone leadwire Length / Type		120 ± 5.0 / AWG 20	120 ± 5.0 / AWG 20	120 ± 5.0 / AWG 20
Silicone fibreglass sleeving Length		30 ± 2.0	30 ± 2.0	30 ± 2.0
Kapton foil Length		64 ± 1.0	77 ± 1.0	90 ± 1.0

All dimensions are in mm

The information given does not release the customer from independent application tests.

Device Construction (example HPG 2/22 55X35)



Aluminium Profile	Insulating Foil	Silicone Fibreglass Sleeve	Silicone Leadwire	Termination
Flat contact surface easily mounted and ensures optimum heat transfer	UL approved Polyimide film from USA or Japan	Sleeving from Germany for extra protection over hot surfaces adjacent to the heating element	AWG 20 style 3135 120mm or longer as required	6mm brass splice crimp as standard

Specifications

Customised options available:
 Temperatures from 50°C - 240°C ±5°C
 Voltage from 12 - 600 V AC/DC

Black Heat (no glowing parts)

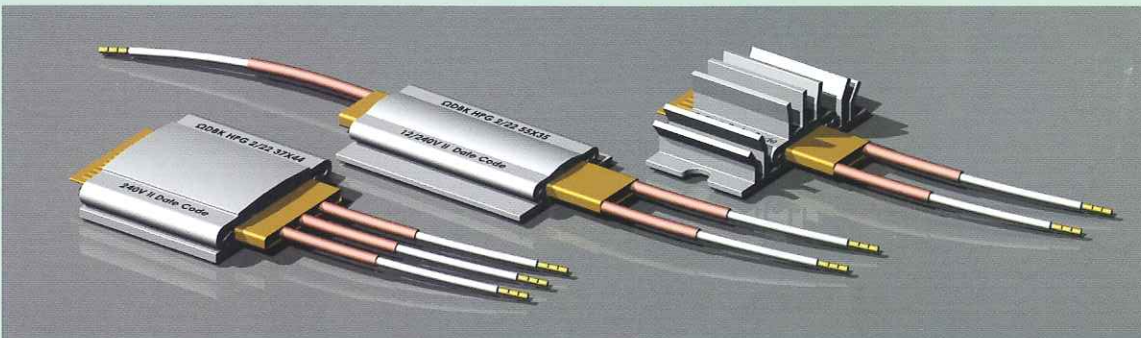
Typical Applications

Consumer Products
 Spot Heating Pads
 Keep Warm Devices
 Boilers & Evaporators
 Industrial / Medical
 Small appliances

Certification



UL file number E120970
 VDE file number 131640



Customer Specific Manufacturing:

Dual Voltage / Power versions available: PTC configuration can be adjusted for required power at each specified voltage
 Heater Profile: Aluminium profile shape can include fins, channels, and be drilled tapped or notched as required
 Assemblies: Utilize our experience in design and cost effective manufacturing, to provide entire heater assembly