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## BHC Product Overview

### ALS30/31 SERIES

#### Screw Terminals - Plain and Stud Mountings

The ALS30/31 range offers high CV per unit volume coupled with high ripple currents and long life performance. They are also capable of handling high peak voltages and currents.

Capacitance range:	68 $\mu$ F to 1.5F
Capacitance tolerance:	$\pm$ 20 %
Voltage range:	10 V to 600 V dc
Temperature range:	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Case sizes:	36 x 52 mm to 91 x 220 mm

### ALS40/41 SERIES

#### Screw Terminals - Plain and Stud Mountings

This range offers high CV per unit volume coupled with high ripple currents and long life performance at 105 $^{\circ}$ C. They are also capable of handling high peak voltages and currents.

Capacitance range:	68 $\mu$ F to 1.5F
Capacitance tolerance:	$\pm$ 20 %
Voltage range:	10 V to 500 V dc
Temperature range:	-40 $^{\circ}$ C to +105 $^{\circ}$ C
Case sizes:	36 x 52mm to 91 x 220 mm

### ALP/T20 SERIES

#### Board Mounting or Solder Tag Terminations

This range of long life grade capacitors. It features low E.S.R. high ripple current ratings and outstandingly good high frequency impedance.

Capacitance range:	22 $\mu$ F to 68,000 $\mu$ F
Capacitance tolerance:	-10 % +30 %, $\pm$ 20 % (200 V only)
Voltage range:	10 V to 450 V dc
Temperature range:	-40 $^{\circ}$ C to + 85 $^{\circ}$ C
Case sizes:	25 x 35 mm to 40 x105 mm

### ALC10 SERIES

#### Board Mounting - Snap-in Terminations

The ALC10 series of snap-in capacitors cover a wide range of case sizes and voltage ratings featuring high ripple currents and long life performance. They are ideally suited for industrial and commercial applications demanding high reliability and long life expectancy such as frequency converters, UPS systems and switch mode power supplies.

Capacitance range:	39 $\mu$ F to 220,000 $\mu$ F
Capacitance tolerance:	$\pm$ 20 %
Voltage range:	10V to 500V dc
Temperature range:	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Case sizes:	22 x 30 mm to 40 x 105 mm (45 and 50mm diameter available upon request)

### ALS34/35 SERIES

#### Screw Terminals - Plain and Stud Mountings

The ALS34/35 range offers the same high performance of the ALS30 range, but features imperial terminals and can sizes.

Capacitance range:	150 $\mu$ F to 680000 $\mu$ F
Capacitance tolerance:	-10% to +30%
Voltage range:	16V to 500V dc
Temperature range:	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Case sizes:	1.375 x 2.125" to 3 x 8.625"

### ALP/T10 SERIES

#### Board Mounting or Solder Tag Terminations

These capacitors are designed to meet the requirements of inverters, switch mode power supplies, welding applications and many other industrial and professional uses.

Capacitance range:	100 $\mu$ F to 68,000 $\mu$ F
Capacitance tolerance:	-10 % + 50 %
Voltage range:	10 V to 385 V dc
Temperature range:	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Case sizes:	25 x 35 mm to 40 x105 mm

### ALP/T22 SERIES

#### Board Mounting or Solder Tag Terminations

Long life grade capacitors featuring a very high CV per unit volume with low E.S.R. and impedance values and high ripple currents. They are ideally suited for use in industrial and commercial applications such as switch mode power supplies and energy storage circuits.

Capacitance range:	47 $\mu$ F to 150,000 $\mu$ F
Capacitance tolerance:	$\pm$ 20 %
Voltage range:	10 V to 450 V d.c.
Temperature range:	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Case sizes:	25 x 35 mm to 40 x105 mm

### ALC12 SERIES

#### Board Mounting - Snap-in Terminations

The new high CV range of snap-in capacitors ideally suited for applications where high reliability and compact case sizes are important such as switch mode power supplies and frequency converters.

Capacitance range:	150 $\mu$ F to 5,600 $\mu$ F
Capacitance tolerance:	$\pm$ 20 %
Voltage range:	200V to 500V dc
Temperature range:	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Case sizes:	30 x 30 mm to 40 x 105 mm (22, 25, 45 and 50mm diameter available upon request)

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## BHC Product Overview

### ALC40 SERIES

#### Board Mounting - Snap-in Terminations

The ALC40 series of snap-in capacitors feature the same high ripple currents and long life characteristics as the ALC10 series but can operate at higher temperatures. They are similarly suited for high reliability and long life applications such as frequency converters, UPS systems and switch mode power supplies, but the extended temperature range allows increased ripple current at lower temperatures.

Capacitance range:	33 $\mu$ F to 220,000 $\mu$ F
Capacitance tolerance:	$\pm$ 20 %
Voltage range:	10 V to 450 V dc
Temperature range:	-40 °C to + 105 °C
Case sizes:	22 x 30 mm to 40 x 105 mm (45 and 50mm diameter available upon request)

### MS/MD SERIES

#### Screw Terminals - Plain and Stud Mountings

For A.C. operation to start the motor by providing a leading current to the auxiliary winding. The capacitor is designed for intermittent duty only and capable of withstanding the A.C. voltage applied during starting. Housed in moulded case; approved to VDE 560-8 and comply with BS 5267 and IEC 252. The MS series is rated at a single voltage and the MD at a dual voltage.

Capacitance range:	20 $\mu$ F to 400 $\mu$ F (approved)
Capacitance tolerance:	$\pm$ 10 % or -0 +25 %
Rated voltage:	MS - 120, 220 260 V ac MD - 120/150, 220/280 and 260/330 V ac
Surge voltage:	1.25 x rated voltage
Climatic category:	20/60/21
Temperature range:	-20 °C to +60 °C

### ALC42 SERIES

#### Board Mounting - Snap-in Terminations

The new high CV range of snap-in capacitors ideally suited for applications where high reliability and compact case sizes are important but can operate at higher temperatures compared with the ALC12 series.

Capacitance range:	120 $\mu$ F to 4,700 $\mu$ F
Capacitance tolerance:	$\pm$ 20 %
Voltage range:	200 V to 450 V dc
Temperature range:	-40 °C to + 105 °C
Case sizes:	30 x 30 mm to 40 x 105 mm (22, 25, 45 and 50mm diameter available upon request)

### ALN SERIES

#### Board Mounting - 4 Terminal T-Network

The T- Network capacitor is a unique capacitor designed specifically for Audio applications. Its main advantage lies in its ability to reduce unwanted resistance and inductance producing a signal closer to pure capacitance.

Capacitance range:	10,000 $\mu$ F
Capacitance tolerance:	50V -10% +30% 63V $\pm$ 20%
Rated voltage:	50V and 63V
Temperature range:	-40°C to +85 °C
Case size:	40mm diameter x 55mm Length