# element 14 Your Electronic Engineering Resource



# **C878BF Series, Electric Motor Capacitors**

## **General Description:**

The capacitor is used in series to the start-winding of the single-phase electric motor, allowing its starting and increasing the torque during work. Main application fields: low power electric motors compressors. The choice of capacitor depends on expected life length and the mechanical connection of the user.

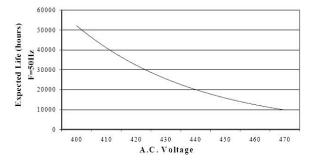


#### **Key Features:**

- Capacitor Range: 1.0 µF to 60 µF
- Min. / Max. Operating Temperature: 25 / 85 °
- Storage Temperature: 40 / 90 °C
- Rated voltage VR (a.c.): 500 Volt a.c.
- Rated frequency (Hz): 50 60 Hz
- Voltage rise/fall time (max): 20 Volt / µs
- Maximum Permissible Voltage: 1.10 x Rated Voltage
- Maximum Permissible Current: 1.30 x Rated Current
- Dissipation factor, Tgδ: 20 x 10 ^ -4 at 20°C, 50 Hz
- Safety class: P2
- Maximum Altitude: 2000 m
- Capacitance tolerance (standard): } 5 %
- Mounting: Any position
- Case: Aluminium
- Disk: Thermoplastic Polymer V0 (UL94)
- Dielectric: Polypropylene

# **Applications:**

- Single-phase Electric Motor
- Low Power Electric Motors Compressors



## **Related Products Information:**

Mfr Part #	Newark #	Farnell #	Description
C878BF34400AA4J	-	1789708	CAPACITOR, 4UF, 470VAC
C878BF35100AA0J	-	1789709	CAPACITOR, 10UF, 470VAC
C878BF35150AA0J	-	1789710	CAPACITOR, 15UF, 470VAC
C878BF35200AA0J	-	1789711	CAPACITOR, 20UF, 470VAC

Legal Disclaimer: The content of the pages of this website is for your general information and use only. It is subject to change without notice. From time to time, this website may also include links to other websites. These links are provided for your convenience to provide further information. They do not signify that we endorse the website(s). We have no responsibility for the content of the linked website(s). Your use of any information or materials on this website is entirely at your own risk, for which we shall not be liable. It shall be your own responsibility to ensure that any products, services or information available through this website meet your specific requirements.

