



a YAGEO company

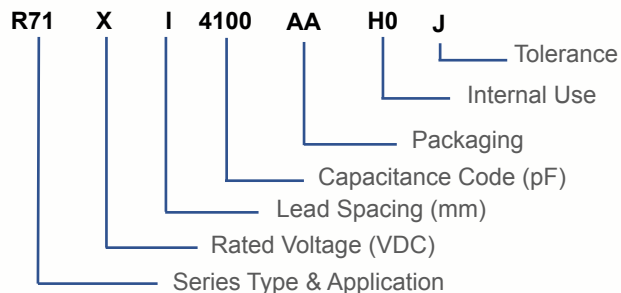
## Overview

The R71H is a capacitor constructed of metallized polypropylene film with radial leads of tinned wire. It can reach operational temperatures up to 125 °C. It is encapsulated in a self-extinguishing solvent resistant plastic case with thermosetting resin material.

## Benefits

- Self-healing
- High reliability
- High Arms: Up to 11.78 A at 100 kHz
- Miniaturized: 22  $\mu$ F in 22x37x32 mm
- High dV/dt: Up to 260 V/ $\mu$ s
- Low Profile: minimum height 9 mm
- Automotive Rated (AEC-Q200)
- UL 94 V-0

## Part Number System



# Single Metallized Radial Automotive-Grade Polypropylene Film Capacitor

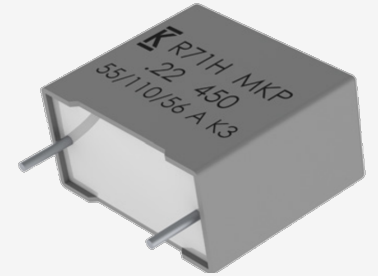
## R71H, 125°C, PFC Capacitor

### Electrical Characteristics

Capacitance Range: 0.033 - 22  $\mu$ F  
 Rated DC Voltage: 450, 520, 630 V  
 Lead Spacing: 10 – 27.5 mm  
 Low ESL: minimum 9 nH

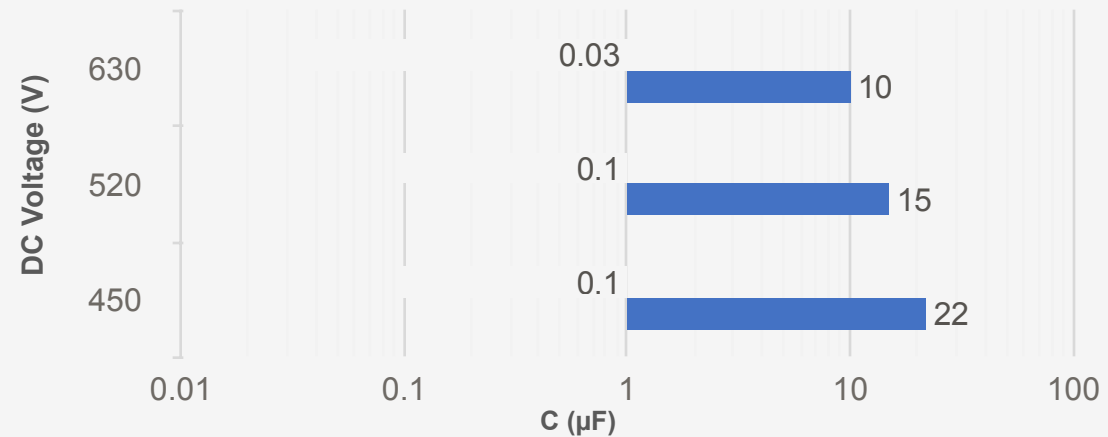
### Features

High Temperature Range:  
 -55 °C to +125 °C  
 Harsh Environment capabilities:  
 THB 40 °C, 93% R.H., 1,000 h at Vrated



### Characteristics

Capacitance Range per DC Voltage



### Applications

- PFC for SMPS
- Not suitable for across-the-line AC applications as an EMI suppressor capacitor

### Industries

- Automotive
- Green Energy
- Industrial

<https://ec.kemet.com/pulse/>