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 µF in 22x37x32 mm
- High dV/dt: Up to 260 V/µs
- Low Profile: minimum height 9 mm
- Automotive Rated (AEC-Q200)
- UL 94 V-0

**Part Number System**

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<th>R71</th>
<th>X</th>
<th>I</th>
<th>4100</th>
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**Electrical Characteristics**

- Capacitance Range: 0.033 - 22 µF
- 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

**Applications**

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

**Industries**

- Automotive
- Green Energy
- Industrial

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