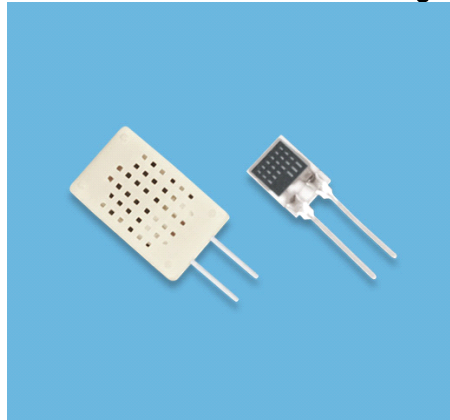


Polymer Relative Humidity Capacitor



1. Feature & Application:

Features:

- * Excellent linearity
- * low power consumption
- * wide measurement range
- * quick response
- * anti-pollution
- * high stability, dehumidifys
- * quickly recover after long-term saturation
- * high performance-price ratio

Applications:

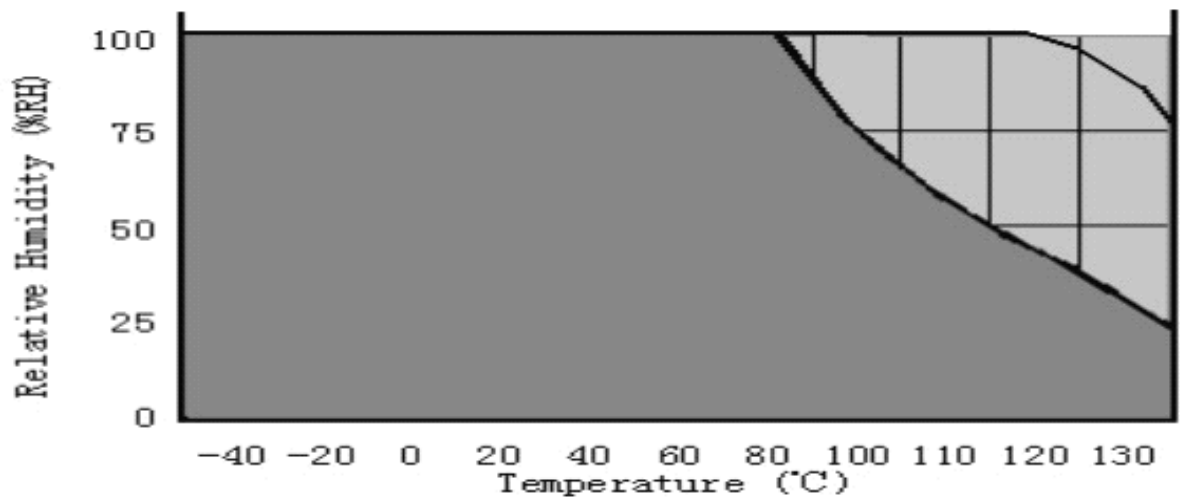
Produced using unique semiconductor technology, so the MC02 can be utilized in most occasions.

2. Technical Specification:

| | |
|--|---|
| Model | MC02 |
| Power supply | 10V AC (Max) |
| Operating range | Humidity 0-100%RH, temperature -40~150Celsius |
| Nominal capacitance | 120+-10pF(25Celsius, 60%RH) |
| Average sensitivity | 0.5pF / %RH |
| Humidity effects | +1Celsius, +0.025pF |
| Power consumption factor | <0.01 |
| Return difference of humidity hysteresis | <1%RH |

| | |
|--|--|
| Linear error | <+-2%RH |
| Response time | <5s |
| Operating frequency | 5k--100kHz |
| Recovering time after 150 hours dew condensation | <10s |
| Stability | <1%RH / Year |
| Dimensions | with case 6.5*10*3mm, without case 5*7*0.6mm |

3. Operating range diagram



4. Dimensions: (Unit:mm)

