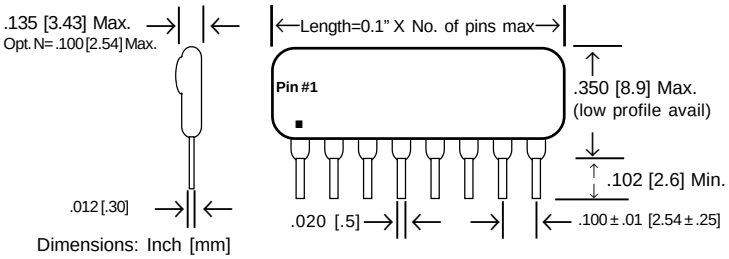
# CAPACITOR AND RESISTOR/CAPACITOR NETWORKS

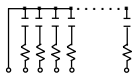
# RC SERIES

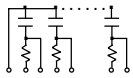
Term.W is RoHS compliant & 260°C compatible

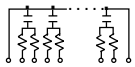

- ❒ Widest selection in the industry!
- ❒ Low cost resulting from automated production
- ❒ PCB space savings over discrete components
- ❒ Custom circuits available
- ❒ Exclusive ***SWIFT***™ delivery available (refer to DSN series)
- ❒ Options include voltage ratings to 2KV, multiple values, custom marking, low profile & narrow profile designs, diodes, etc.

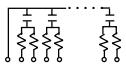


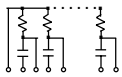

## STANDARD SCHEMATICS (Custom circuits available)

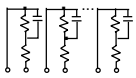

**RC-01**
**(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 pin)**

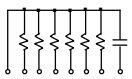

**RC-02**
**(5, 7, 9, 11, 13 pin)**

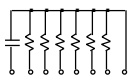

**RC-03**
**(5, 7, 9, 11, 13 pin)**

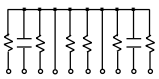

**RC-04**
**(5, 7, 9, 11, 13 pin)**

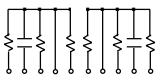

**RC-05**
**(5, 7, 9, 11, 13 pin)**

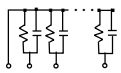

**RC-06**
**(4, 6, 8, 10, 12, 14 pin)**

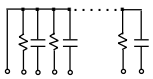

**RC-07**
**(8 pin)**

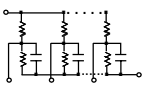

**RC-08**
**(8 pin)**

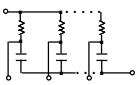

**RC-09**
**(10 pin)**

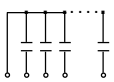

**RC-10**
**(10 pin)**

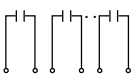

**RC-11**
**(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 pin)**


**RC-12**
**(5, 7, 9, 11, 13 pin)**


**RC-13**
**(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 pin)**


**RC-14**
**(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 pin)**


**RC-15**
**(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 pin)**


**RC-16**
**(4, 6, 8, 10, 12, 14 pin)**

## SPECIFICATIONS

### RESISTORS

Resistance Range: 22Ω to 1MΩ standard, 1Ω to 100M avail.
Tolerance: ±5% standard, ±2% and ±1% available
Temp. Coefficient: ±100ppm typ (±250ppm <50Ω & >2.2M)
Voltage rating: 50V (up to 1KV available)
Operating Temp: -55° C to +125°C
Power Rating: .2W @25°C (package power = .125W/pin)

### CAPACITORS

Capacitance Range: 10pF to 0.1µF standard, 0.5pF to 10µF avail.
Voltage rating: 50V standard, 6.3V to 2KV available
Dielectric: COG(NPO), X7R, X5R, Y5V, Z5U*
Standard capacitance values & dielectrics: refer to table below (most popular models listed in bold). Any combination of chips from RCD's CE Series can be utilized on a custom basis.

| P/N CODE | CAP. VALUE | TOL. | TYPE | VOLTAGE |
|---|---|---|---|---|
| 100KG | 10pF | 10% | NPO/COG | 50V |
| 220KG | 22pF | 10% | NPO/COG | 50V |
| 330KG | 33pF | 10% | NPO/COG | 50V |
| 470KG | 47pF | 10% | NPO/COG | 50V |
| **560KG** | **56pF** | **10%** | **NPO/COG** | **50V** |
| 680KG | 68pF | 10% | NPO/COG | 50V |
| **101KG** | **100pF** | **10%** | **NPO/COG** | **50V** |
| 151KG | 150pF | 10% | NPO/COG | 50V |
| **221KG** | **220pF** | **10%** | **NPO/COG** | **50V** |
| 331KG | 330pF | 10% | NPO/COG | 50V |
| **471KG** | **470pF** | **10%** | **NPO/COG** | **50V** |
| 561KG | 560pF | 10% | NPO/COG | 50V |
| 681KG | 680pF | 10% | NPO/COG | 50V |
| **102MR** | **1000pF** | **20%** | **X7R** | **50V** |
| 222MR | 2200pF | 20% | X7R | 50V |
| 472MR | 4700pF | 20% | X7R | 50V |
| **103MR** | **.01µF** | **20%** | **X7R** | **50V** |
| 223ZV | .022µF | +80%/-20% | Y5V* | 50V |
| 333ZV | .033µF | +80%/-20% | Y5V* | 50V |
| 473ZV | .047µF | +80%/-20% | Y5V* | 50V |
| 683ZV | .068µF | +80%/-20% | Y5V* | 50V |
| 104ZV | 0.1µF | +80%/-20% | Y5V* | 50V |

***** Y5V is standard, Z5U is available (Y5V & Z5U are considered interchangeable)

## P/N DESIGNATION: RC 08 01 ☐ - 102 J 561 K ☐ G W

**Type** (RC Series)
**Number of Pins** (4 -14 std, 2 -20 avail)
**Configuration Number**
**Options:** assigned by RCD, leave blank if std
**Resis.Code** (Ω) 2 signif. figures & multiplier, (e.g. 100=10Ω, 101=100Ω, 102=1K, 105=1M)
**Resistor Tol. Code**: J=5% (standard), G=2%
**Capac. value (pF)** 2 signif. figures & multiplier, e.g. 100=10pF, 101=100pF, 102=1000pF, 104=100000pF (.1uF )
**Capac. Tol. Code**: J=5%, K=10%, M=20%, Z=+80%/-20%
**Cap. Voltage** (if other than std 50V): 006=6.3V, 010=10V, 016=16V, 025=25V, 101=100V, 201=200V, 501=500V, 102=1KV, 202=2KV.
**Cap. Dielectric:** G=COG(NPO), R=X7R, X=X5R, U=Z5U, V=Y5V
**Termination:** W= Lead-free, Q= Tin/Lead (leave blank if either is acceptable)

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