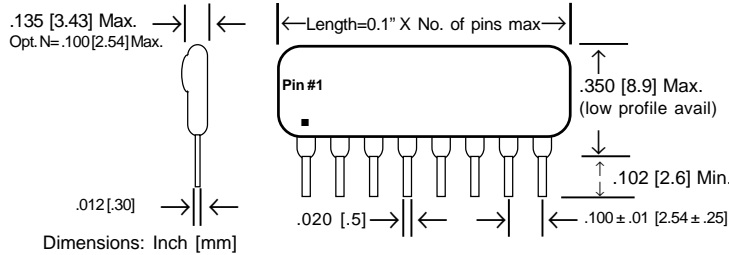


# CAPACITOR AND RESISTOR/CAPACITOR NETWORKS

## RC SERIES



- 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.



## 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

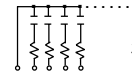
Capacitance Range: 10pF to 0.1μF standard, 0.5pF to 10μF avail.  
 Voltage rating: 50V standard, 6.3V to 2KV available  
 Dielectric: COG(NPO), X7R, X5R, Y5V, Z5U\*  
 Standard capacitance values & dielectrics: refer to table below (most popular models listed in bold). Any combination of chips from RCD's 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
<b>560KG</b>	<b>56pF</b>	<b>10%</b>	<b>NPO/COG</b>	<b>50V</b>
680KG	68pF	10%	NPO/COG	50V
<b>101KG</b>	<b>100pF</b>	<b>10%</b>	<b>NPO/COG</b>	<b>50V</b>
151KG	150pF	10%	NPO/COG	50V
<b>221KG</b>	<b>220pF</b>	<b>10%</b>	<b>NPO/COG</b>	<b>50V</b>
331KG	330pF	10%	NPO/COG	50V
<b>471KG</b>	<b>470pF</b>	<b>10%</b>	<b>NPO/COG</b>	<b>50V</b>
561KG	560pF	10%	NPO/COG	50V
681KG	680pF	10%	NPO/COG	50V
<b>102MR</b>	<b>1000pF</b>	<b>20%</b>	<b>X7R</b>	<b>50V</b>
222MR	2200pF	20%	X7R	50V
472MR	4700pF	20%	X7R	50V
<b>103MR</b>	<b>.01μF</b>	<b>20%</b>	<b>X7R</b>	<b>50V</b>
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

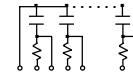
\* Y5V is standard, Z5U is available (Y5V & Z5U are considered interchangeable)



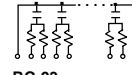
## STANDARD SCHEMATICS (Custom circuits available)



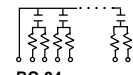
RC-01  
(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 pin)



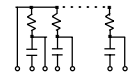
RC-02  
(5, 7, 9, 11, 13 pin)



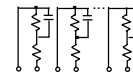
RC-03  
(5, 7, 9, 11, 13 pin)



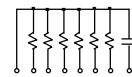
RC-04  
(5, 7, 9, 11, 13 pin)



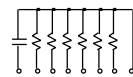
RC-05  
(5, 7, 9, 11, 13 pin)



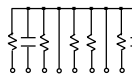
RC-06  
(4, 6, 8, 10, 12, 14 pin)



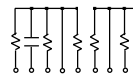
RC-07  
(8 pin)



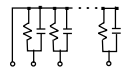
RC-08  
(8 pin)



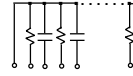
RC-09  
(10 pin)



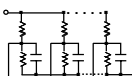
RC-10  
(10 pin)



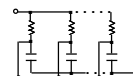
RC-11  
(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 pin)



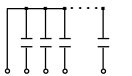
RC-12  
(5, 7, 9, 11, 13 pin)



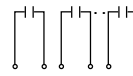
RC-13  
(4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 pin)



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)

## 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) \_\_\_\_\_