

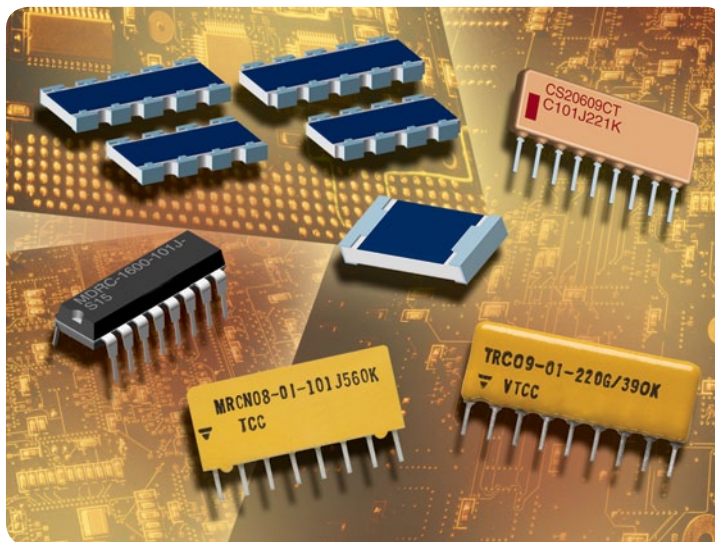


RESISTOR/CAPACITOR NETWORKS

Resistive Products



An Overview of Vishay Dale R/C Networks



KEY BENEFITS

- Power ratings per resistive element from 0.125 W to 0.2 W
- A wide resistance range (10 Ω to 1 M Ω)
- A wide capacitance range (10 pF to 0.1 μ F)
- Low/high temperature performance (- 55 $^{\circ}$ C to + 125 $^{\circ}$ C)
- Tight resistor tolerance (down to 1 %)
- Tight capacitor tolerance (down to 10 %)
- Available with COG/NP0, X7R, or Y5U capacitor dielectrics
- Low temperature coefficient (down to \pm 100 ppm/ $^{\circ}$ C)
- Thick Film resistive elements
- Reduces total assembly costs
- Custom networks available

APPLICATIONS

- Supply filtering
- Line termination
- Line matching
- AC coupling
- Impedance matching
- CKT bias and coupling

RESOURCES

- For technical questions contact ff2aresistors@vishay.com
- Sales Contacts: <http://www.vishay.com/doc?99914>

One of the World's Largest Manufacturers of
Discrete Semiconductors and Passive Components



RESISTOR/CAPACITOR NETWORKS

Resistive Products



Resistors - Wide Range of Resistor/Capacitor Networks

Surface-Mount Resistor/Capacitor Networks											
Product	Circuit	Profile	Resistor				Capacitor				
			Power Rating (W)	Value Range (Ω)	TCR (ppm/ $^{\circ}$ C)	Tolerance (\pm /%)	Type	Value Range	Tolerance (\pm /%)		
	01	n/a	0.125	10 - 1M	\pm 200	5 %	X7R Y5U	10 pF - 270 pF 270 pF - 1800 pF	\pm 20 %		
	02	n/a									
	03	n/a									
	n/a	n/a	0.125	10 - 1M	\pm 200	5 %	X7R Y5U	10 pF - 270 pF 270 pF - 1800 pF	\pm 20 %		
Single-in-Line Through Hole Resistor/Capacitor Networks											
	E, M	B	0.125	10 - 1M	\pm 200	2 %, 5 %	X7R	0.01 μ F	10 %, 20 %		
	T	C					C0G X7R	33 pF - 3900 pF 470 pF - 0.1 μ F			
	A	E					X7R	0.01 μ F			
	10 20 30	C C C	0.2	10 - 1M	\pm 150	2 %, 5 % (1 %*)	NP0 X7R	33 pF - 3900 pF 470 pF - 0.1 μ F	10 %, 20 %		
	01 02 09	C C C	0.2	10 - 1M	\pm 150	2 %, 5 % (1 %*)	NP0 X7R	33 pF - 3900 pF 470 pF - 0.1 μ F	10 %, 20 %		
Dual-in-Line Through Hole Resistor/Capacitor Networks											
	41	n/a	0.15	50, 68, 75, 100	\pm 100	2 %	X7R	0.01 μ F	+ 40 %, - 20 %		
	42	n/a	0.15	510							
	43	n/a	0.2	R1						R2	Zo
				81						130	50
				121						195	75
			162	260	100						

* Tolerances in parenthesis are available upon request.

Contact factory about custom schematics and/or test requirements for the SMD (CRCA, CRCC, DFRC), SIP (CS206, CSRC, MRCN, TRC), and DIP (MDRC) product lines.