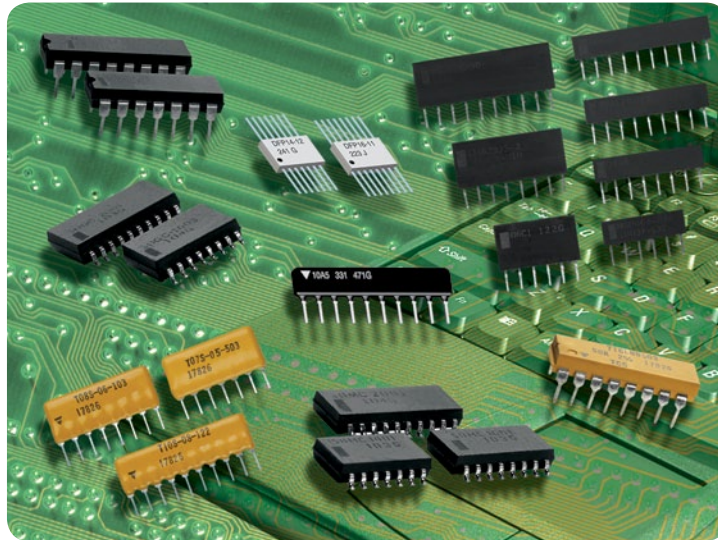


An Overview of Vishay Dale Resistor Networks



KEY BENEFITS

- Power ratings per resistive element from 0.05 W to 0.4 W
- A wide resistance range (10 Ω to 2.2 M Ω)
- Low/high temperature performance (- 55 $^{\circ}\text{C}$ to + 125 $^{\circ}\text{C}$)
- Tight tolerance (down to 1 %)
- Low temperature coefficient (down to \pm 100 ppm/ $^{\circ}\text{C}$)
- Thick Film resistive elements
- Reduces total assembly costs
- Custom networks available

APPLICATIONS

- MOS/ROM pull-up, pull-down
- TTL input pull-down
- Digital pulse squaring
- Power-driven pull-up
- TTL to ECL translation
- SCSI-BUS terminator applications
- “Wired OR” pull-up
- LED current limiting
- D/A and A/D convertor
- Line termination

RESOURCES

- For available Military product, M83401, consult [Military Networks Selector Guide](#)
- For technical questions contact ff2aresistors@vishay.com
- Sales Contacts: <http://www.vishay.com/doc?99914>



Surface-Mount Resistor Networks

Product	Model	Circuit	Profile	Power Rating (W)	Value Range (Ω)	TCR (ppm/ $^{\circ}$ C)	Tolerance (\pm %)
<p>SOMC</p>	SOMC	01	n/a	0.08	10 – 1 M	\pm 100	2 % (1 %, 5 %*)
		03	n/a	0.16	10 – 1 M		2 % (1 %, 5 %*)
		05	n/a	0.08	10 – 1 M		2 % (1 %, 5 %*)
<p>SOGC</p>	SOGC	01	n/a	0.1	10 – 1 M	\pm 100	2 % (1 %, 5 %*)
		03	n/a	0.19	10 – 1 M		2 % (1 %, 5 %*)
		05	n/a	0.1	10 – 1 M		2 % (1 %, 5 %*)
		45	n/a	0.1	180, 270, 820	\pm 100	2 %
		46	n/a	0.1	330, 150, 330		
<p>DFP</p>	DFP	11	n/a	0.25	10 – 1 M	\pm 100	2 % (1 %, 5 %*)
		12	n/a	0.15			

Single-in-Line Through-Hole Resistor Networks

<p>CSC</p>	CSC	01	A	0.2	10 – 50	\pm 250	2 % (1 %, 5 %*)
			B	0.25	50.1 – 2.2 M	\pm 100	
		03	A	0.3	10 – 50	\pm 250	
			B	0.4	50.1 – 2.2 M	\pm 100	
		05	A	0.2	10 – 50	\pm 250	
			B	0.25	50.1 – 2.2 M	\pm 100	
<p>MSP</p>	MSP	01	A	0.2	10 – 2.2 M	\pm 100	2 % (1 %, 5 %*)
			C	0.25			
		03	A	0.3	10 – 2.2 M		
			C	0.4			
		05	A	0.2	10 – 2.2 M		
			C	0.25			
<p>TxxS</p>	TxxS	R/2R	C	0.05	50 – 1 M	\pm 100	2 %

Dual-in-Line Through-Hole Resistor Networks

<p>MDP</p>	MDP	01	n/a	0.125	10 – 2.2 M	\pm 100	2 % (1 %, 5 %*)	
		03	n/a	0.25	10 – 2.2 M		2 % (1 %, 5 %*)	
		05	n/a	0.125	10 – 2.2 M		2 % (1 %, 5 %*)	
		45	n/a	0.125	180, 270, 820	\pm 100	2 %	
		46	n/a	0.125	330, 150, 330	\pm 250	5 %	
<p>TxxL</p>	TxxL	T14L	10	n/a	50 – 1 M	\pm 100	2 %	
		T16L	08	n/a				0.05
		R8	n/a	0.05				

* Tolerances in parenthesis are available upon request.

Contact factory about custom schematics and/or test requirements for the SMD (SOMC, SOGC, DFP), SIP (CSC, MSP, TxxS), and DIP (MDP, TxxL) product lines.