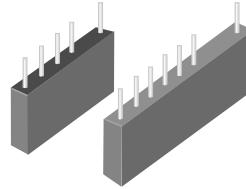


# SPECIAL PURPOSE NETWORKS & VOLTAGE DIVIDERS

## VDS SERIES Voltage Dividers



- 2 through 7-decade voltage dividers with ratios from 1:1 to 1,000,000:1
- 1200 & 1500V models standard (up to 20KV available)
- Ratio accuracy to  $\pm 0.01\%$ , 2ppm TC
- Temp.Range: -55 to +125°C

RCD Type	Resistance Values					
	R1	R2	R3	R4	R5	R6
V5A91	9Meg	900K	90K	9K	1k	-
V5A99	9Meg	900K	90K	9K	900	-
V5A11	10Meg	1.1111M	101.01K	10.01K	1.001K	-
V5B91	9Meg	900K	90K	9K	1k	-
V5B99	9Meg	900K	90K	9K	900	-
V5B11	10Meg	1.1111M	101.01K	10.01K	1.001K	-
V5C91	9Meg	900K	90K	9K	1k	-
V5C99	9Meg	900K	90K	9K	900	-
V5C11	10Meg	1.1111M	101.01K	10.01K	1.001K	-
V6A91	9Meg	900K	90K	9K	900	100
V6A99	9Meg	900K	90K	9K	900	90

**P/N DESIGNATION (standard models):** **V5A91 B A 50 / 10 W**

**RCD Type** **V5A91** **B** **A** **50 / 10** **W**

**Tolerance:** Q=.02%, A=.05%, B=.1%, C=.25%, D=.5%, F=1%

**Ratio Tol:** Y=.01%, Q=.02%, A=.05%, Z=.1%, C=.25%, D=.5% (leave blank if not req'd)

**TC:** 5=5ppm/°C, 10=10ppm 15=15ppm, 25=25ppm, 50=50ppm

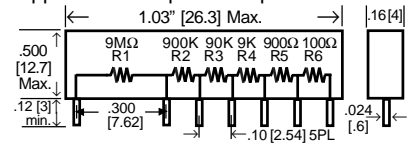
**TC Track:** 3=3ppm/°C, 5, 10, 15, 25, 50 (leave blank if not required)

**Termination:** W= Lead-free, Q= SnPb (leave blank if either is acceptable)

### P/N FA2779 - Our most popular model (available from stock)

High precision enables universal application at a price comparable to lower grade models.

- TCR: 25ppm absolute
- TC Track: 2.5ppm (R6=5ppm)
- Resis.Tol:  $\pm 0.1\%$  absolute
- Ratio Tol:  $\pm 0.03\%$
- Working Voltage: 1200V

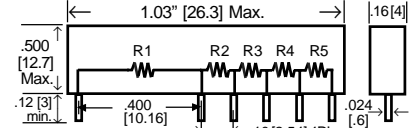


### Standard models

(numerous custom models are also available from 2 through 7 decades):

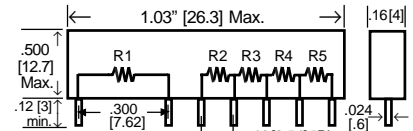
#### P/N V5A 5-Decade 1200V

- TCR:  $\pm 5, 10, 15, 25,$  or 50ppm
- TC Track: 3, 5, 10, 25, 50ppm
- Res.Tol:  $\pm 0.05, .1\%, .25\%, .5\%$
- Ratio Tol:  $\pm 0.03\%$  to 0.5%



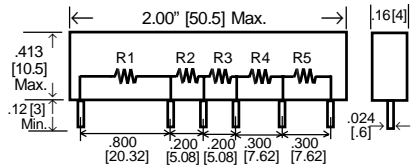
#### P/N V5B 5-Decade 1200V

- TCR:  $\pm 5, 10, 15, 25,$  or 50ppm
- TC Track: 3, 5, 10, 25, 50ppm
- Res.Tol:  $\pm 0.05, .1\%, .25\%, .5\%$
- Ratio Tol:  $\pm 0.03\%$  to 0.5%



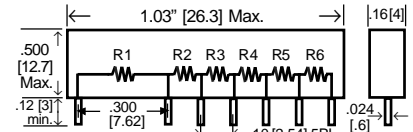
#### P/N V5B 5-Decade 1500V

- TCR:  $\pm 5, 10, 15, 25,$  or 50ppm
- TC Track: 3, 5, 10, 25, 50ppm
- Res.Tol:  $\pm 0.05, .1\%, .25\%, .5\%$
- Ratio Tol:  $\pm 0.03\%$  to 0.5%

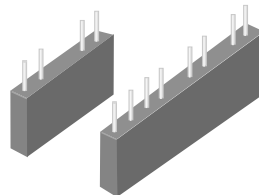


#### P/N V6A 6-Decade 1200V

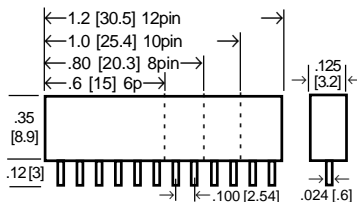
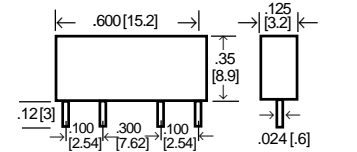
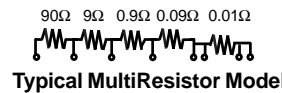
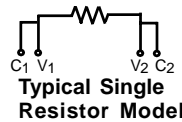
- TCR:  $\pm 5, 10, 15, 25,$  or 50ppm
- TC Track: 3, 5, 10, 25, 50ppm
- Res.Tol:  $\pm 0.05, .1\%, .25\%, .5\%$
- Ratio Tol:  $\pm 0.03\%$  to 0.5%



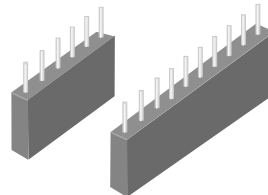
## CSS SERIES Current Sensing



- 4-terminal Kelvin configuration
- Wide variety of single & multi-resistor models
- Current ratings up to 5 amps available
- Resistance range: 0.01Ω to 1 Meg
- Tolerances to  $\pm 0.01\%$  ( $\pm 0.1\% < 1\Omega$ )
- TC's to  $\pm 3\text{ppm}/\text{C}$  ( $\pm 30\text{ppm} < 1\Omega$ )
- Available on exclusive **SWIFT™** delivery program
- Custom configurations available
- Standard sizes: 6, 8, 10, 12 pin SIP's



## CJ SERIES Jumper Circuits

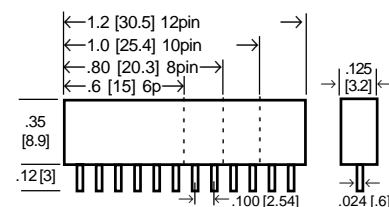


- Custom designed to customer requirement
- 2 amp rating is standard (3, 5, 10 amp available)
- 0.02Ω maximum resistance (0.005Ω available)
- Eliminates costly DIP switches in permanently-fixed circuits
- Available on exclusive **SWIFT™** delivery program
- Available in 6, 8, 10, 12-pin SIP or 14 & 16-pin DIP (custom sizes available). For SM chip jumper arrays, see ZN & ZMN series.

### TYPICAL CIRCUITS:



### CJS SERIES SIP PACKAGE



### CJD SERIES DIP PACKAGE

