



DSCC drawing number 87026

Part Number: TX2593

1. Description of a voltage divider complying with DSCC drawing 87026.
2. **Electrical Requirements** : See Figure 1 and Table 1

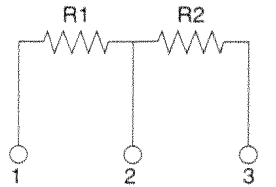


Figure 1

- 2.1 Resistance and tolerance match
According to Table 2.
- 2.2 TCR Absolute: ± 5 ppm/ °C
TCR Match. According to Table 1. -55 °C to 105 °C . Use 25 °C as reference

Dash number	TCR Match [ppm/ °C]	Dash number	TCR Match [ppm/ °C]	Dash number	TCR Match [ppm/ °C]
0001	1	0011	1	0021	1.5
0002	1	0012	1	0022	1.5
0003	1	0013	1.5	0023	1
0004	1	0014	1.5	0024	1.5
0005	1	0015	1.5	0025	1.5
0006	1	0016	1	0026	1.5
0007	1	0017	1	0027	1.5
0008	1	0018	1	0028	1.5
0009	1	0019	1		
0010	1	0020	1		

Table 1. TCR match according to dash number



Dash number	R1/R2 [Ω]	Absolute tolerance [%]	Tolerance Match [%]	Dash number	R1/R2 [Ω]	Absolute tolerance [%]	Tolerance Match [%]
0001	10K/10K	1.0	0.01	0015	9K/1K	0.01	0.01
0002	4K8148/9K990	1.0	0.01	0016	10K/10K	1.0	0.01
0003	10K/10K	1.0	0.005	0017	20K/16K129	1.0	0.01
0004	10K/9K	1.0	0.005	0018	10K/1K931	0.1	0.05
0005	9K166/10K	1.0	0.005	0019	10K/18K37	0.1	0.05
0006	10K/10K	1.0	0.03	0020	6K84/3K16	0.01	0.01
0007	20K/20K	1.0	0.03	0021	10K/20K	0.1	0.1
0008	1K3/1K3	1.0	0.01	0022	2K5/3K	0.01	0.01
0009	20K/15K	1.0	0.01	0023	3K15/3K15	0.01	0.01
0010	5K/5K	1.0	0.01	0024	1K/9K	0.01	0.01
0011	6K/3K	1.0	0.01	0025	10K/1K93	0.1	0.05
0012	10K/12K1	0.01	0.01	0026	5K6/13K68	1.0	0.1
0013	8K75/1K25	0.01	0.01	0027	2K49/4K87	0.1	0.01
0014	8K/20K	0.01	0.01	0028	4K02/4K02	1.0	1.0

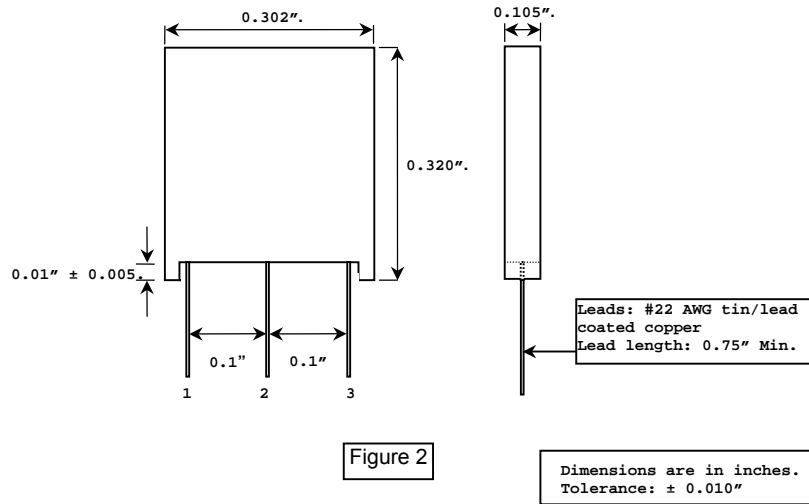
Table 2. Resistance value and tolerances with their identifying number

2.3 Power rating.
 W= 0.2 watts. Distributed proportionally between both resistors.



3. Mechanical Requirements.

3.1 Dimensions. See Figure 2.



4. Print. See Figure 3.

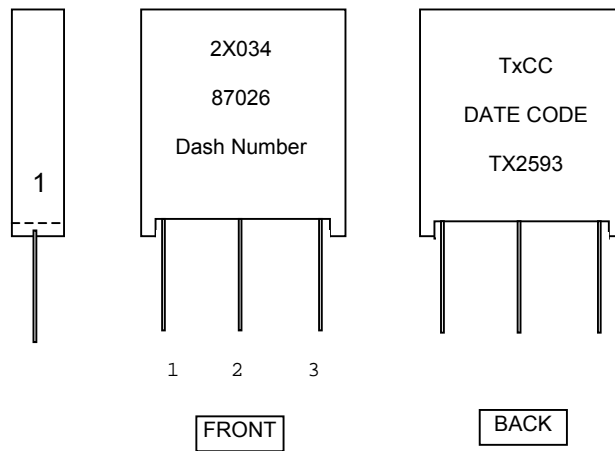


FIGURE 3