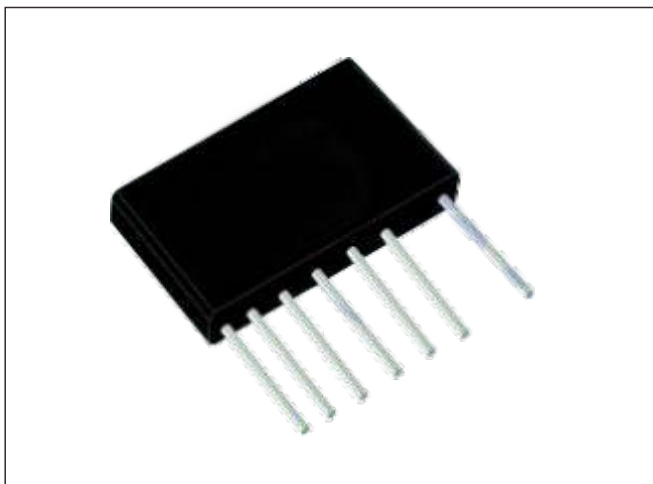


TC17XX 系列超高精密分压电阻网络



● 特点 Feature

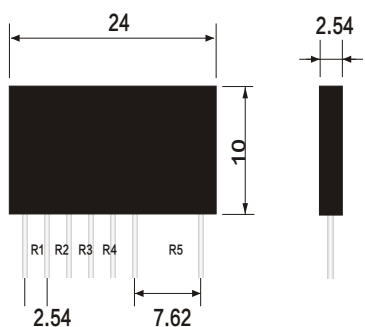
TC17XX 系列超高精密分压电阻网络具有 10M, 1M1111, 101K01, 10K001, 1K0001 几个阻值, 相对精度可以高达 0.02%, 相对温度系数可以低至 5ppm! 可靠性高, 稳定性好!

TC17XX Series ultra-high precision divider network resistor has several resistance such as 10 m, 1 m1111, 101 k01, 10 k001, 1 k0001, Relative accuracy can be as high as 0.02%, relative temperature coefficient can be as low as 5 PPM High reliability, good stability.

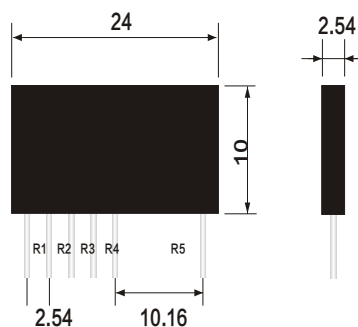
● 应用 Application

- I. 数字万用表 Digital multimeter
- II. 仪器仪表 Indicating, Instrument

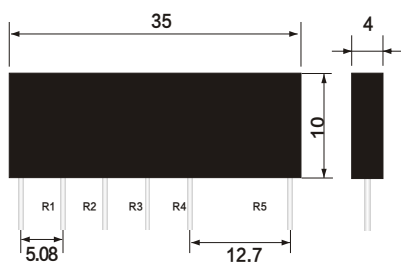
● 外形尺寸 Dimensions



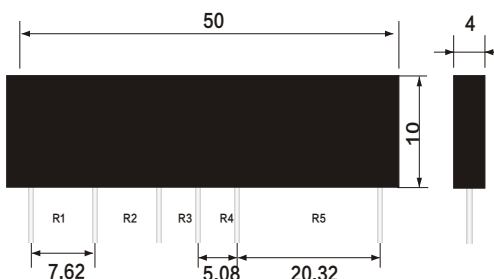
TC1746A LAYOUT
UNIT: mm
R1=1K001
R2=10K01
R3=100K01
R4=1M1111
R5=10M



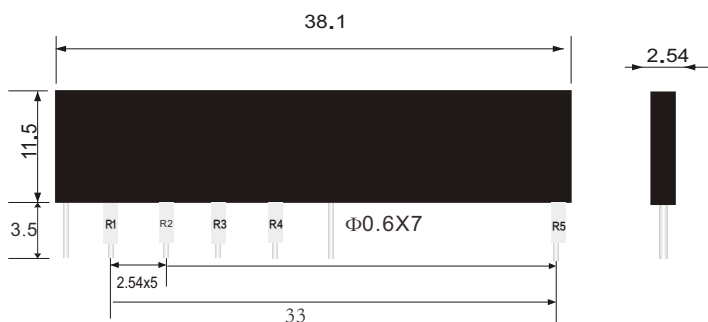
TC1756A LAYOUT
UNIT: mm
R1=1K
R2=9K
R3=90K
R4=900K
R5=9M



TC1766A LAYOUT
UNIT: mm
R1=1K
R2=9K
R3=90K
R4=900K
R5=9M



TC1776A LAYOUT
UNIT: mm
R1=1K
R2=9K
R3=90K
R4=900K
R5=9M



TC1786A LAYOUT
UNIT: mm
R1=1.0001K
R2=10.01K
R3=101.01K
R4=1.1111M
R5=10.0000M

*能够根据客户要求,提供适合客户的尺寸和电路设计服务。

TC17XX 系列超高精密分压电阻网络

参考规格Reference Standards

JIS-C-5201-1

功率、阻值范围与耐电压Power And Resistance etc

规格 Type	额定功率 Rated Power (W)	最大工作电压 Max. Working Voltage	阻值范围 Resistance Range(Ω)	温度系数 ppm/ $^{\circ}\text{C}$	误差值 Tolerance	温度范围($^{\circ}\text{C}$) Temperature Range
TC17XX	0.1W	1800V DV	10~100M	C3($\pm 25\text{PPM}/^{\circ}\text{C}$) C5($\pm 15\text{PPM}/^{\circ}\text{C}$) C6($\pm 10\text{PPM}/^{\circ}\text{C}$) C7($\pm 5\text{PPM}/^{\circ}\text{C}$)	P $\pm 0.025\%$ W $\pm 0.05\%$ B $\pm 0.10\%$ C $\pm 0.25\%$	-55 $^{\circ}\text{C}$ ~ 125 $^{\circ}\text{C}$

性能 Performance

检验项目 Items	性能要求 Requirements(JIS C 5201-1)
标准阻值范围 Standard resistance value	(1K,9K,90K,900K,9M);(1K001,10K01,101K01,1M1111)
精度 Tolerance	P($\pm 0.025\%$);W($\pm 0.05\%$);B($\pm 0.10\%$);C($\pm 0.25\%$)
匹配精度 Ratio Tolerance	P(0.025%);W(0.05%);B(0.10%);C(0.25%)
温度系数 Temperature coefficient	C3($\pm 25\text{PPM}/^{\circ}\text{C}$);C5($\pm 15\text{PPM}/^{\circ}\text{C}$) C6($\pm 10\text{PPM}/^{\circ}\text{C}$);C7($\pm 5\text{PPM}/^{\circ}\text{C}$)
匹配温度系数 Ratio Temperature coefficient	C3(25PPM/ $^{\circ}\text{C}$);C5(15PPM/ $^{\circ}\text{C}$) C6(10PPM/ $^{\circ}\text{C}$);C7(5PPM/ $^{\circ}\text{C}$)
最大环境温度 Operating temperature range	$\sim 55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
最大工作电压 Max.operating voltage U_{max}	1800V DC
失效率 Failure rate	$\leq 10^{-8}$ h

料号编号 Ordering Information

例 example

TC17XX	0.1	P	10K00	C7
型号 Type	额定功率 Rated Power	误差值 Tolerance	电阻值 (Ω) Resistance	温度系数 ppm/ $^{\circ}\text{C}$
TC1746A TC1756A TC1766A TC1776A TC1786A	0.1=0.1W	P($\pm 0.025\%$) W($\pm 0.05\%$) B($\pm 0.10\%$) C($\pm 0.25\%$)	0R100=0.1 Ω 10R00=10 Ω 10K00=10K Ω 1M000=1M Ω	C3($\pm 25\text{PPM}/^{\circ}\text{C}$) C5($\pm 15\text{PPM}/^{\circ}\text{C}$) C6($\pm 10\text{PPM}/^{\circ}\text{C}$) C7($\pm 5\text{PPM}/^{\circ}\text{C}$)