

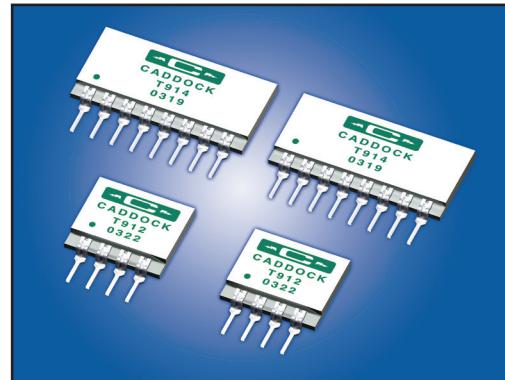
Type T912 and T914 Precision Resistor Networks

Resistor Pairs and Quads with Ratio Characteristics for Precision Analog Circuits

Type T912 and T914 Precision Resistor Networks are constructed with Caddock Tetrinox® resistance films to achieve the precise ratio performance and stability required by highly accurate amplifier circuits, voltage reference circuits, and precision bridge circuits.

- **Ratio Tolerance** - from 0.1% to 0.01%.
- **Ratio Temperature Coefficient** - 10 ppm/°C, 5 ppm/°C or 2 ppm/°C.
- **Absolute Temperature Coefficient** - 25 ppm/°C.
- **Ratio Stability of Resistance at Full Load for 2,000 hours** - within 0.01%.
- **Shelf Life Stability of Ratio for 6 Months** - within 0.005%.

Both the T912 and the T914 are available in 14 standard resistance values between 1K and 1 Megohm. Caddock's high thru-put manufacturing capability assures that prototype and large-volume production quantities are available either from stock or within 6 weeks after receipt of order.



Standard Type T912 and Type T914 Precision Resistor Networks

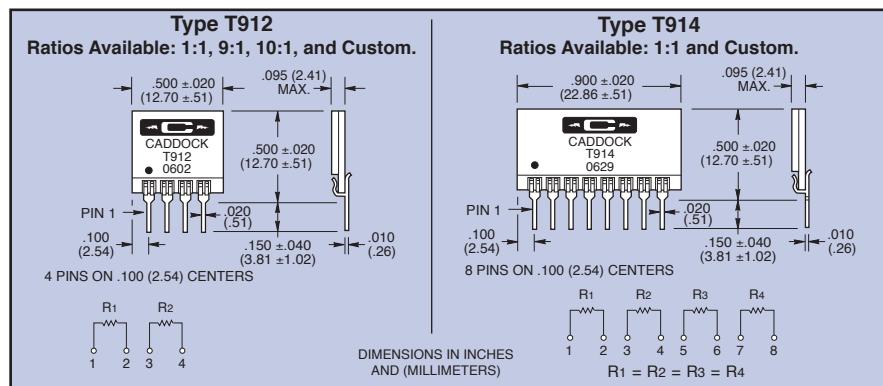
In addition to the 14 standard **equal value** models of the Type T912 and T914, the Type T912 can also be ordered with:

- **10:1 Resistance Ratio** - for use in amplifier gain-setting.
- **9:1 Resistance Ratio** - for use in voltage reference dividers.

Ordering Information:		T912 - A 10K - 010 - 02
Model Number		Ratio Temperature Track (0°C to +70°C):*
Ratio Code Letter:*		-10 = 10 ppm/°C -05 = 5 ppm/°C -02 = 2 ppm/°C
A - T912 with R ₁ : R ₂ where R ₂ = 10R ₁		Ratio Tolerance:*
1K:10K 10K:100K 40K:400K		-100 = 0.10% -020 = 0.02%
2K:20K 20K:200K 50K:500K		-050 = 0.05% -010 = 0.01%
5K:50K 25K:250K 100K:1 Meg		
B - T912 with R ₁ : R ₂ where R ₂ = 9R ₁		Standard Resistance Values:*
1K:9K 10K:90K 40K:360K		1K 10K 40K 200K 500K
2K:18K 20K:180K 50K:450K		2K 20K 50K 250K 1 Meg
5K:45K 25K:225K 100K:900K		5K 25K 100K 400K
No Letter - T912 with R ₁ = R ₂		
No Letter - T914 with R ₁ = R ₂ = R ₃ = R ₄		

Special or mixed resistance values are available as custom networks. See the custom section at the bottom of this page.

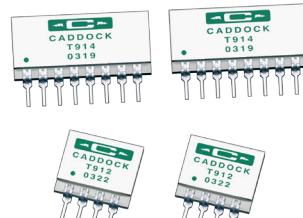
* (This information appears on the back side of the network)



Custom Model T912 and T914 Precision Resistor Networks

For applications requiring non-standard resistance values, the T912 and T914 custom configurations can include these special features:

- Mixed resistance values with a maximum ratio of 250-to-1. (Example: 1 Megohm and 4 K)
- Absolute TC as low as 15 ppm/°C.
- Ratio TC as low as 2 ppm/°C.
- Custom voltage ratings.
- Matched resistors of any special value between 1 K and 2 Megohms.



Contact our Applications Engineering for performance, price, and availability of these custom resistor networks.



CADDOCK ELECTRONICS, INC.

e-mail: caddock@caddock.com • web: www.caddock.com

For Caddock Distributors listed by country see caddock.com/contact/dist.html

Sales and Applications Engineering

17271 North Umpqua Hwy.

Roseburg, Oregon 97470-9422

Phone: (541) 496-0700

Fax: (541) 496-0408

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Caddock:

[T914-5K-010-05](#) [T914-40K-100-10](#) [T912-B2K-020-10](#) [T912-B2K-010-05](#) [T912-25K-050-05](#) [T914-1K-100-10](#) [T912-A10K-020-10](#)