

## 2S, 2M, 2T HIGH PRECISION RESISTORS

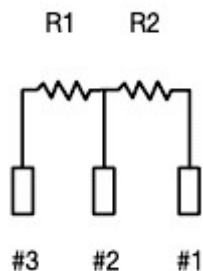


High precision matched pair SIP resistor networks utilizing NiCr thin film spattered onto an alumina substrates using high density patterning technologies. These models exhibit 1ppm 0.05%, tight ratio tolerance and TC tracking (2T series). The 2S and 2M models are economical and show good performance. A large variety of quick delivery resistances are available. The 2.5mm width and 5mm height is ideal for high density layouts. Application for 2S(wide) include: Voltage dividers, feed back resistors, voltage reference circuit in data processing, data transmission, precision power sources of industrial controls, medical, measurements.

### GENERAL SPECIFICATIONS

Model	Resistance [ $\Omega$ ]		Tolerance		TCR	
	R1,#2-#3	R2,#1-#2	Absolute	Ratio	Absolute	Tracking
2M-01, 2S-01	1K	1K	+-1%	0.1%	+-25ppm	5ppm
2M-02, 2S-02	1K	10K				
2M-03, 2S-03	10K	10K				
2M-04, 2S-04	10K	20K				
2M-05, 2S-05	20K	20K				
2M-06, 2S-06	15K	15K				
2M-07, 2S-07	30K	30K				
2M-08, 2S-08	3K	680				
2M-09, 2S-09	2.2K	10K				
2M-10, 2S-10	50K	50K				
2M-11, 2S-11	30K	10K				
2M-12, 2S-12	60K	20K				
2M-13, 2S-13	18K	2K				
2M-14, 2S-14	1K	3K				
2M-15, 2S-15	1K	9K				
2M-17, 2S-17	3K	6K				
2M-18, 2S-18	2K	10K				
2T-01	1K	1K				
2T-02	1K	10K				
2T-03	10K	10K				
2T-04	10K	20K				
2T-05	20K	20K				
2T-06	15K	15K				
2T-07	30K	30K				
2T-08	3K	680				
2T-09	2.2K	10K				
2T-10	50K	50K				
2T-11	30K	10K				
2T-12	60K	20K				
2T-13	18K	2K				
2T-14	1K	3K				
2T-15	1K	9K				
2T-17	3K	6K				
2T-18	2K	10				

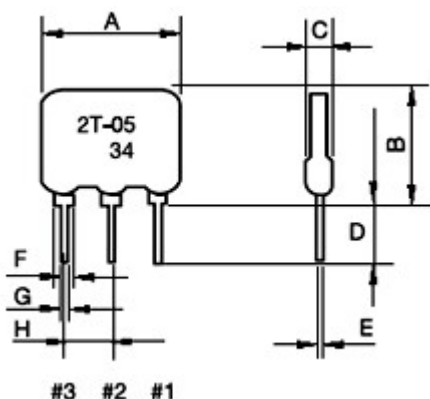
## PIN CONFIGURATION



## CHARACTERISTICS

Test	Conditions
Rating Power /element	125mW, 250mW/Package
Rated Ambient Temp.	70 C
Operating temp. Range	-55 C to +120C
Max. Applied Voltage	100V In accordance with $E=\sqrt{PR}$
Short Time Overload	+/- [0.1 %+0.01Ω] 2.5 times rated power, 5sec
Load Life	+/- [0.1 %+0.0Ω] 70 C, 90min ON, 30min OFF, 1000hrs
Humidity	+/- [0.25 %+0.0Ω] 60 C, 90-95RH, DC 0.1W, 1,000hrs
Soldering Heat	+/- [0.1 %+0.01Ω] 350 C, 3sec
Withstanding Voltage	+/- [0.1 %+0.01Ω] 1000VAC, 60sec
Insulation Resistance	10,000MΩ

## DIMENSIONS



	2T	2S	2M
A	8.0max.		
B	5.0max.	5.0max.	7.0max.
C	2.54max.		
D	3.3	E	0.25
F	1.2	G	0.5
H	2.54		

## ORDERING PROCEDURE EXAMPLE

