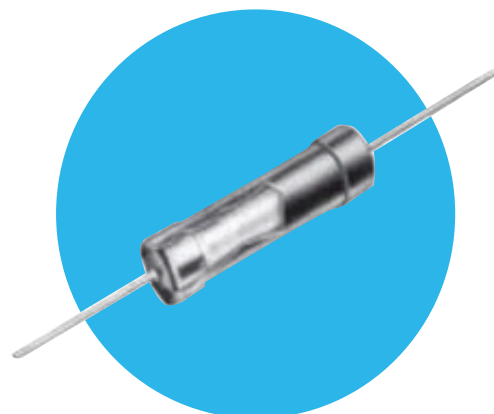


Commercial Styles Semi-Precision Power Wirewound Resistors

T / NT Wirewound Series

- 0.1Ω to 300KΩ
- 0.75 to 14 watts
- ±0.1% to ±10% tolerance
- Non-inductive windings available
- Meets or exceeds all applicable MIL-R-26 ratings



 All Pb-free parts comply with EU Directive 2011/65/EU (RoHS2)

Electrical Data

Type	Similar to MIL-R-26 Style	Similar to MIL-PRF-39007 Style ¹	Wattage Rating	Resistance Range (Ω)		Maximum Working Voltage
			U	Min Ω	Max KΩ	
T-1/2	-	-	0.75	0.1	4	54.8
T-1/2-A81	RW81	RWR81 ¹	1.0	0.1	4.5	67.1
T-1A-70	RW70	-	1.0	0.1	12	109.5
T-1C	-	-	1	.05	2K	109.5
T-1-80	RW80	RWR80 ¹	2.0	0.1	12	154.9
T-2A	-	-	3.0	0.1	25	306.2
T-2A-69	RW69	-	3.0	0.1	20	244.9
T-2B-79	RW79	RWR89 ¹	3.0	0.1	40	346.4
T-3	-	-	4.0	0.1	38	457.2
T-5	-	-	5.0	0.1	45	540.8
T-5-74	RW74	RWR74 / 84 ¹	5.0	0.1	94	685.5
T-6	-	-	6.0	0.1	65	698.2
T-6-67	RW67	-	6.5	0.1	92	773.3
T-7	-	-	7.0	0.1	115	1017.3
T-7A-55	RW55	-	7.0	0.1	200	1183.2
T-10A-56	RW56	-	14.0	0.1	300	2049.4
T-10	-	-	10.0	0.1	300	1974.8
T-10-78	RW78	RWR78 ¹	10.0	0.1	300	1732
T-10-68	RW68	-	11.0	0.1	300	1816.6

Designate non-inductive winding by adding the prefix "N" to style.

¹ The RWR is obsolete. The listed parts correspond to the commercial equivalent parts that are manufactured with the same procedures but lack the burn-in screening that is required by MIL-PRF-39007

General Note

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All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

BI Technologies IRC Welwyn

<http://www.ttelectronics.com/resistors>

General Specifications

Temperature Range	Characteristic U = -55°C to +275°C
Standard Temperature Coefficient	±20 ppm/°C 10Ω up ±50 ppm/°C 1.0Ω to 9.9Ω ±400 ppm/°C 0.50Ω to 0.999Ω ±650 ppm/°C 0.1Ω to 0.490Ω
Special Temperature Coefficient	Available from -30 ppm/°C to +6000 ppm/°C Temperature range for special TC's -50°C to +150°C
Insulation Resistance	1000 megohms minimum dry at 100 volts DC
Derating	Wattage rating based on operation at 25°C Derate to zero at 275°C & 350°C for "U" style rating

Lead Material:

Tinned copperweld is standard.

Also available: Weldable Grade A nickel (bare)

Special Features:

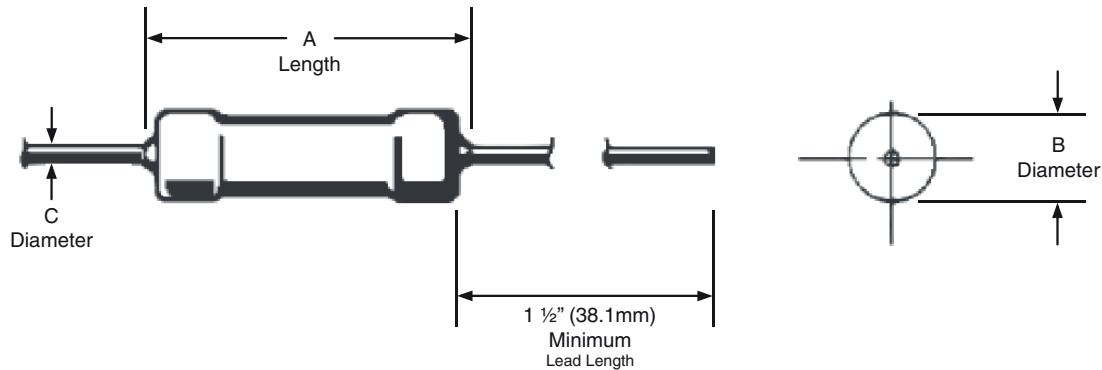
- Radial lead available
- Resistance network packages designed to individual customer requirements
- Temperature coefficient matching and tracking to ±5 ppm
- Ratio tolerance matched sets available

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Physical Data



Dimensions (Inches and (mm))

Type	A		B		C	
	Inches	mm	Inches	mm	Inches (±0.002)	mm (±0.05)
T-1/2	0.330 (±0.062)	8.4 (±1.6)	0.078 (±0.031)	2.0 (±0.8)	0.020	0.5
T-1/2-A81	0.250 (±0.032)	6.4 (±0.8)	0.085 (±0.020)	2.2 (±0.5)	0.020	0.5
T-1A-70	0.406 (±0.032)	10.3 (±0.8)	0.094 (±0.032)	2.4 (±0.8)	0.020	0.5
T-1C	0.303 (±0.032)	7.7 (±0.8)	0.115 (±0.32)	2.9 (±0.8)	0.020	0.5
T-1-80	0.406 (±0.032)	10.3 (±0.8)	0.094 (±0.032)	2.4 (±0.8)	0.020	0.5
T-2A	0.500 (±0.062)	12.7 (±1.6)	0.187 (±0.031)	4.8 (±0.8)	0.032	0.8
T-2A-69	0.500 (±0.063)	12.7 (±1.6)	0.188 (±0.063)	4.8 (±1.6)	0.032	0.8
T-2B-79	0.560 (±0.062)	14.2 (±1.6)	0.187 (±0.031)	4.8 (±0.8)	0.032	0.8
T-3	0.625 (±0.062)	15.8 (±1.6)	0.250 (±0.062)	6.3 (±1.6)	0.040	1.0
T-5	0.875 (±0.062)	22.2 (±1.6)	0.312 (±0.062)	7.9 (±1.6)	0.040	1.0
T-5-74	0.875 (±0.062)	22.2 (±1.6)	0.312 (±0.062)	7.9 (±1.6)	0.040	1.0
T-6	1.000 (±0.062)	25.4 (±1.6)	0.312 (±0.062)	8.0 (±1.6)	0.040	1.0
T-6-67	1.000 (±0.094)	25.4 (±2.4)	0.313 (±0.063)	8.0 (±1.6)	0.032	0.8
T-7	1.185 (±0.062)	30.0 (±1.6)	0.312 (±0.062)	8.0 (±1.6)	0.040	1.0
T-7A-55	1.375 (±0.094)	35.0 (±2.4)	0.469 (±0.094)	12 (±2.4)	0.032	0.8
T-10A-56	2.000 (±0.094)	50.8 (±2.4)	0.469 (±0.094)	12 (±2.4)	0.032	0.8
T-10	1.812 (±0.062)	46.0 (±1.6)	0.375 (±0.062)	9.5 (±1.6)	0.040	1.0
T-10-78	1.780 (±0.062)	45.2 (±1.6)	0.375 (±0.062)	9.5 (±1.6)	0.040	1.0
T-10-68	1.875 (±0.063)	47.6 (±1.6)	0.344 (±0.094)	8.7 (±2.4)	0.032	0.8

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Ordering Procedure

Example: T1801000FLF (T-1-80, 100 ohms $\pm 1\%$, Pb-free)

	T	1	8	0			1	0	0	0	F	L	F
1	2					3	4	5					

1 Winding	2 Type		3 Value	4 Tolerance	5 Termination
Omit for standard	T1/2	T574	3 digits + multiplier R = ohms for values <100ohms	B = $\pm 0.1\%$	Omit for SnPb LF = Pb-free
	T1/2A81	T6		C = $\pm 0.25\%$	
N = non-inductive	T1A70	T667		D = $\pm 0.5\%$	
	T1C	T7		F = $\pm 1\%$	
	T180	T7A55		J = $\pm 5\%$	
	T2A	T10A56			
	T2A69	T10			
	T2B79	T1078			
	T3	T1068			
	T5				

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