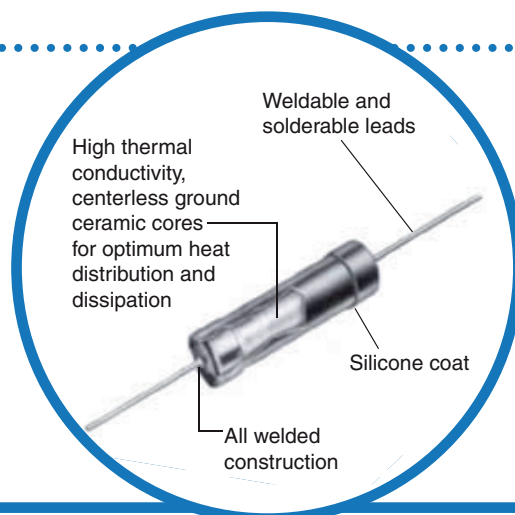


Commercial Styles Semi-Precision Power Wirewound Resistors

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**



Electrical Data

IRC Style	Similar to MIL-R-26 Style	Similar to MIL-PRF-39007 Style ¹	Wattage Rating		Resistance Range (Ω)		Maximum Working Voltage
			U	V	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	2	.05	2K	109.5
T-1-80	RW80	RWR80 ¹	2.0	-	0.1	12	154.9
T-2A*	-	-	3.0	3.75	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	5.5	0.1	38	457.2
T-5*	-	-	5.0	6.5	0.1	45	540.8
T-5-74	RW74	RWR74 / 84 ¹	5.0	-	0.1	94	685.5
T-6	-	-	6.0	7.5	0.1	65	698.2
T-6-67	RW67	-	-	6.5	0.1	92	773.3
T-7*	-	-	7.0	9.0	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	13.0	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

* Available as radial lead = type TR.

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¹ The RWR is obsolete.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.

General Specifications

Temperature Range	Characteristic U = -55°C to +275°C Characteristic V = -55°C to +350°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" and "V" style rating

Lead Material:

Tinned copperweld is standard.

Also available: Weldable Grade A nickel (bare)

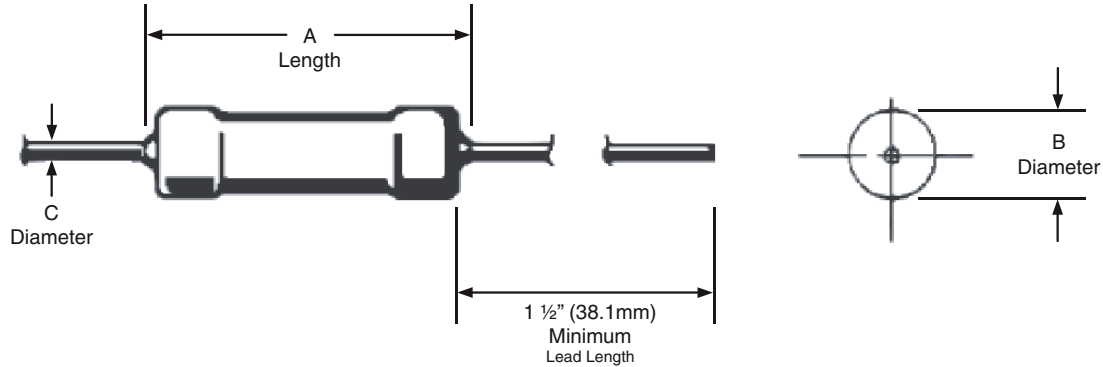
Special Features:

- Radial lead available
- Resistance network packages designed to individual customer requirements
- Temperature coefficient matching and tracking to ±5 ppm
- High thermal conductivity core (Beryllium Oxide) available. See B Series.
- Ratio tolerance matched sets available

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Physical Data



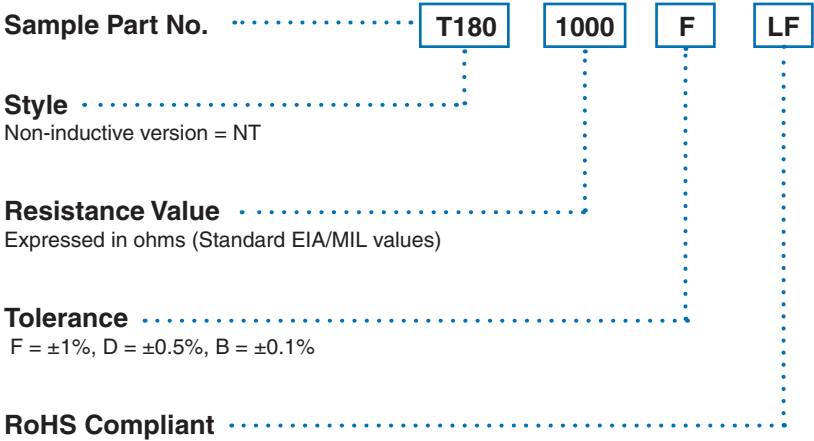
Dimensions (Inches and (mm))

IRC / Shallcross Style	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)	0.025	0.6
					0.032	0.8
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

General Note

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Ordering Data



General Note

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