

Commercial Styles Semi-Precision Power Wirewound Resistors

T / NT Wirewound Series

- 0.1Ω to 175kΩ
- 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 amended by (EU) 2015/863 (RoHS3)

Electrical Data

Type	Similar to MIL-R-26 Style	Similar to MIL-PRF-39007 Style ¹	Power Rating 25°C (W)	T Standard Range (Ω)		NT Non-inductive Range (Ω)		Maximum Working Voltage (V)
			U	Min Ω	Max KΩ	Min Ω	Max KΩ	
(N)T-1/2	-	-	0.75	0R24	6K0	1R0	3K0	55
(N)T-1/2-A81	RW81	RWR81 ¹	1	0R2	4K0	1R0	500R	67
(N)T-1A-70	RW70	-	1	0R1	7K5	0R1	3K8	110
(N)T-1C	-	-	1	0R1	4K2	0R1	2K1	110
(N)T-1-80	RW80	RWR80 ¹	2	0R1	12K	1R7	6K0	155
(N)T-2A	-	-	3	0R1	20K	0R1	10K	306
(N)T-2A-69	RW69	-	3	0R1	25K	0R1	12K5	245
(N)T-2B-79	RW79	RWR89 ¹	3	0R1	33K	0R5	12K	346
(N)T-3	-	-	4	0R1	38K	0R3	15K	457
(N)T-5	-	-	5	0R1	60K	0R8	30K	541
(N)T-5-74	RW74	RWR74 / 84 ¹	5	0R1	60K	0R8	30K	686
(N)T-6	-	-	6	0R1	92K	1R1	46K	698
(N)T-6-67	RW67	-	6.5	0R1	92K	1R1	46K	773
(N)T-7	-	-	7	0R1	115K	0R1	57K5	1017
(N)T-7A-55	RW55	-	7	0R1	175K	0R1	87K5	1183
(N)T-10A-56	RW56	-	14	0R1	150K	0R17	75K	2049
(N)T-10	-	-	10	0R1	150K	3R0	51K	1975
(N)T-10-78	RW78	RWR78 ¹	10	0R1	150K	3R0	51K	1732
(N)T-10-68	RW68	-	11	0R1	150K	0R1	75K	1817

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¹ The RWR is obsolete.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

TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

BI Technologies IRC Welwyn

www.ttelectronics.com/resistors

Commercial Styles Semi-Precision Power Wirewound Resistors



T / NT Wirewound Series

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 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

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.

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

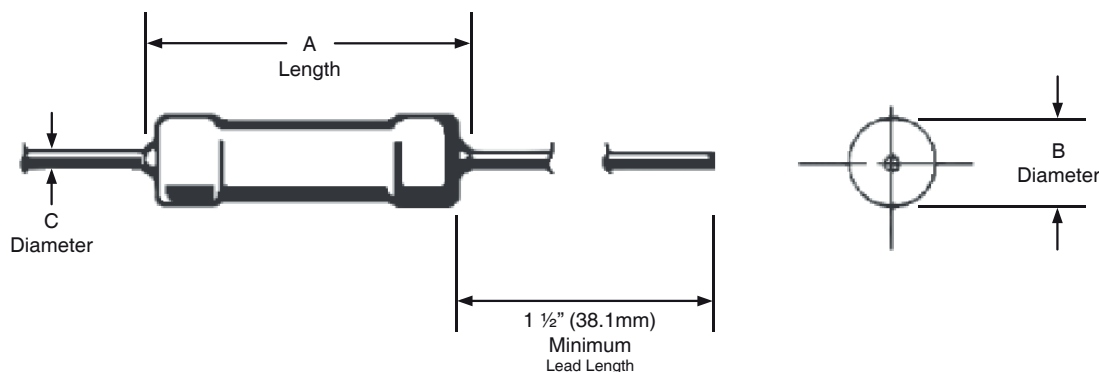
BI Technologies IRC Welwyn

www.ttelectronics.com/resistors

Commercial Styles Semi-Precision Power Wirewound Resistors

T / NT Wirewound Series

Physical Data



Dimensions (Inches and (mm))

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

TT Electronics reserves the right to make changes in product specification without notice or liability.
All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

Ordering Procedure

Example: T1801000FLF (T-1-80, 100 ohms ±1%, Pb-free)



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

Mouser Electronics

Authorized Distributor

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

TT Electronics:

[T1C 4.7 1%](#) [T1C 6.8 1%](#) [T2A 100 1%](#) [T-2B79U47RF-LF](#) [T1B 330 .1%](#) [T3 3.3 1%](#) [T3 1.5 1%](#) [T3 100 .1%LFTR](#) [T-2B-79-450 5%](#) [T2A 82 .5%](#) [T3 2.2 1%](#) [T1C 10 1%](#) [T18024R9FLF](#) [T2B793900FLF](#)