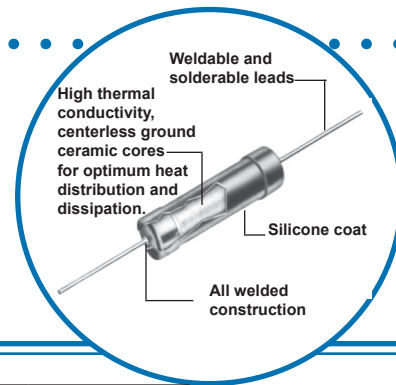


# T SERIES



## COMMERCIAL STYLES SEMI-PRECISION POWER WIREWOUND

- 0.1 ohm to 300K ohms
- 0.75 to 14 watts
- $\pm 0.1\%$  to  $\pm 10\%$  tolerance
- Non-inductive windings available
- Lead-/free, ROHS Compliant Construction Available



### SPECIFICATIONS:

Style	Similar To MIL-R-26 Style	Wattage Rating		Resistance Range (ohms)	
		U	V	Min $\Omega$	Max K $\Omega$
T-1/2	---	0.7	---	0.1	4
T-1/2-A81	RW81	1	---	0.1	4.5
T-1A	RW70	1	---	0.1	12
T-1A-71	RW70	1	---	0.1	12
T-1C	RW80	2	---	0.1	12
T-1-80	RW80	2	---	0.1	12
T-2A	---	3	3.7	0.1	25
T-2A-69	RW69	---	3	0.1	20
T-2B-79	RW79	3	---	0.1	40
T-3	---	4	5.5	0.1	38
T-5	---	5	6.5	0.1	45
T-5-74	RW74	5	---	0.1	94
T-6	---	6	7.5	0.1	65
T-6-67	RW67	5	6.5	0.1	92
T-7	---	7	9	0.1	115
T-7A-55	RW55	---	7	0.1	200
T-10A-56	RW56	---	14	0.1	300
T-10	---	10	13	0.1	300
T-10-78	RW78	10	---	0.1	300
T-10-67	RW67	---	11	0.1	300

\* To Designate Non-Inductive Winding, Add Prefix "N" to style

### T SERIES GENERAL SPECIFICATIONS:

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

#### Lead Material:

Tinned copperweld is standard.

#### General Note

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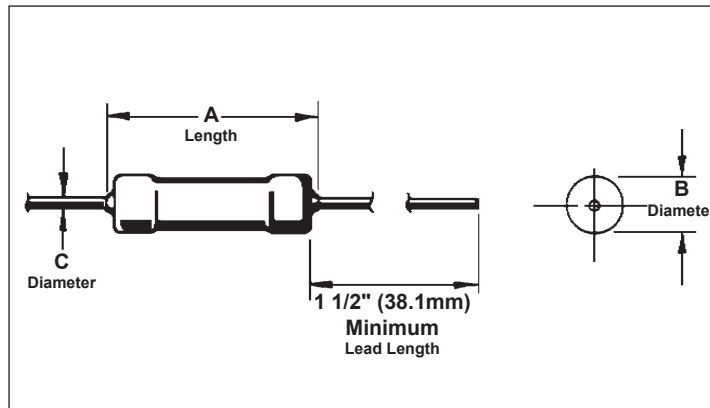
WIREWOUND AND FILM TECHNOLOGIES DIVISION

736 Greenway Road • Boone, North Carolina 28607-1860 • Tel: 828-264-8861 • Fax: 828-264-8866 • www.irctt.com



A subsidiary of  
TT electronics plc

IRC/Shallcross Style	A		B		C	
	Inches	mm	Inches	mm	inches ( $\pm 0.002$ )	mm ( $\pm 0.05$ )
T-1/2	0.330 ( $\pm 0.062$ )	8.4 ( $\pm 1.6$ )	0.078 ( $\pm 0.031$ )	2.0 ( $\pm 0.8$ )	0.020	0.5
T-1/2-A81	0.250 ( $\pm 0.032$ )	6.4 ( $\pm 0.8$ )	0.085 ( $\pm 0.020$ )	2.2 ( $\pm 0.5$ )	0.020	0.5
T-1A	0.406 ( $\pm 0.032$ )	10.3 ( $\pm 1.6$ )	0.093 ( $\pm 0.032$ )	10.3 ( $\pm 1.6$ )	0.020	0.5
T-1A-70	0.406 ( $\pm 0.032$ )	10.3 ( $\pm 0.8$ )	0.094 ( $\pm 0.032$ )	2.4 ( $\pm 0.8$ )	0.020	0.5
T-1-80	0.406 ( $\pm 0.032$ )	10.3 ( $\pm 0.8$ )	0.094 ( $\pm 0.032$ )	2.4 ( $\pm 0.8$ )	0.020	0.5
T-1C	0.280 ( $\pm 0.062$ )	7.1 ( $\pm 1.6$ )	0.093 ( $\pm 0.031$ )	2.4 ( $\pm 0.8$ )	0.020	0.5
T-2A	0.500 ( $\pm 0.062$ )	12.7 ( $\pm 1.6$ )	0.187 ( $\pm 0.031$ )	4.8 ( $\pm 0.8$ )	0.032	0.8
T-2A-69	0.500 ( $\pm 0.063$ )	12.7 ( $\pm 1.6$ )	0.188 ( $\pm 0.063$ )	4.8 ( $\pm 1.6$ )	0.032	0.8
T-2B-79	0.560 ( $\pm 0.062$ )	14.2 ( $\pm 1.6$ )	0.187 ( $\pm 0.031$ )	4.8 ( $\pm 0.8$ )	0.032	0.8
T-3	0.625 ( $\pm 0.062$ )	15.8 ( $\pm 1.6$ )	0.250 ( $\pm 0.062$ )	6.3 ( $\pm 1.6$ )	0.040	1.0
T-5	0.875 ( $\pm 0.062$ )	22.2 ( $\pm 1.6$ )	0.312 ( $\pm 0.062$ )	7.9 ( $\pm 1.6$ )	0.040	1.0
T-5-74	0.875 ( $\pm 0.062$ )	22.2 ( $\pm 1.6$ )	0.312 ( $\pm 0.062$ )	7.9 ( $\pm 1.6$ )	0.040	1.0
T-6	1.000 ( $\pm 0.062$ )	25.4 ( $\pm 1.6$ )	0.312 ( $\pm 0.062$ )	8.0 ( $\pm 1.6$ )	0.040	1.0
T-6-67	1.000 ( $\pm 0.094$ )	25.4 ( $\pm 2.4$ )	0.313 ( $\pm 0.063$ )	8.0 ( $\pm 1.6$ )	0.032	0.8
T-7	1.185 ( $\pm 0.062$ )	30.0 ( $\pm 1.6$ )	0.312 ( $\pm 0.062$ )	8.0 ( $\pm 1.6$ )	0.040	1.0
T-7A-55	1.375 ( $\pm 0.094$ )	35.0 ( $\pm 2.4$ )	0.469 ( $\pm 0.094$ )	12 ( $\pm 2.4$ )	0.032	0.8
T-10A-56	2.000 ( $\pm 0.094$ )	50.8 ( $\pm 2.4$ )	0.469 ( $\pm 0.094$ )	12 ( $\pm 2.4$ )	0.032	0.8
T-10	1.812 ( $\pm 0.062$ )	46.0 ( $\pm 1.6$ )	0.375 ( $\pm 0.062$ )	9.5 ( $\pm 1.6$ )	0.040	1.0
T-10-78	1.780 ( $\pm 0.062$ )	45.2 ( $\pm 1.6$ )	0.375 ( $\pm 0.062$ )	9.5 ( $\pm 1.6$ )	0.040	1.0
T-10-68	1.875 ( $\pm 0.063$ )	47.6 ( $\pm 1.6$ )	0.344 ( $\pm 0.094$ )	8.7 ( $\pm 2.4$ )	0.032	0.8



### HOW TO ORDER:

Sample Part No.:

**T-2B79**   **U**   **49R9**   **1%**   **LF**  
 Style \_\_\_\_\_  
 Characteristic \_\_\_\_\_  
 Resistance Value \_\_\_\_\_  
 Tolerance \_\_\_\_\_  
 $\pm 0.1\%$ ,  $\pm 0.5\%$ ,  $\pm 1\%$  \_\_\_\_\_  
 Lead-Free Construction \_\_\_\_\_

#### General Note

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