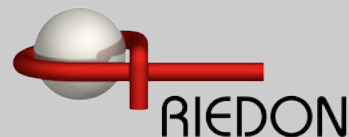


UTL Series

Low Cost Silicone Coated Power Resistors

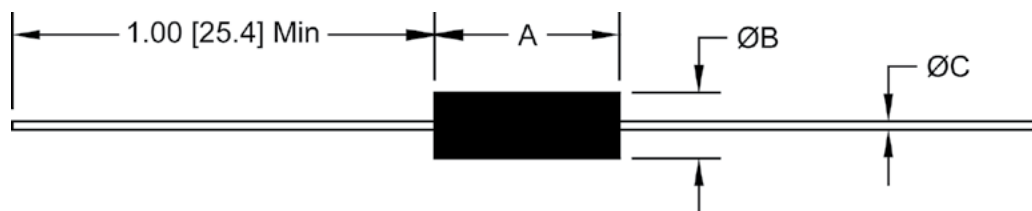


- Resistances from 0.1 to 8.2K Ohms
- Excellent Pulse Handling
- Power Rating 1 to 10 Watts
- Resistance Tolerances of $\pm 5\%$
- Non-Inductive Windings Available
- Available in Bulk, Tape & Reel, and Ammo Pack

SPECIFICATIONS

Type	Power Rating (Watts @ 40°C)	Ohmic Range		Dimensions			Maximum Working Voltage
		MIN	MAX ¹	A (MAX)	B (MAX)	C $\pm 0.002''$ [$\pm 0.05\text{mm}$]	
UTL-1	1	0.1	2.4K	0.47 [12.0]	0.18 [4.5]	0.028 [0.7]	33
UTL-2	2	0.1	4.7K	0.61 [15.5]	0.22 [5.5]	0.031 [0.8]	80
UTL-3	3	0.1	5.1K	0.63 [16.0]	0.24 [6.0]	0.031 [0.8]	148
UTL-5	5	0.1	8.2K	0.98 [25.0]	0.33 [8.5]	0.031 [0.8]	400
UTL-7	7	0.1	15K	0.98 [25.0]	0.37 [9.5]	0.031 [0.8]	400
UTL-10	10	0.1	27K	1.57 [40.0]	0.33 [8.5]	0.039 [1.0]	1000

¹ For non-inductive windings, divide maximum resistance by 2



Ordering Information:

For Non-Inductive Windings, insert the letter "N" (i.e. UTLN-5)

Part Description: Part Type - Resistance - Tolerance - Packing

Example: **UTL-5 100 Ohm 5% Tape & Reel**



UTL Series

Silicone Coated Power Resistors



Specification	Value
Tolerances	±5% (1, 3, and 10% on Request)
Temperture Coefficient	<10Ω : 0 to 600 ppm/°C ≥10Ω : -80 to +140 ppm/°C
Temperature Range	-40°C to +200°C
Climatic Category (IEC 60068)	40 / 200/ 56
Basic Specification	IEC60 115-1
Maximum Voltage	$\sqrt{P \times R}$
Environmental Performance	ΔR
Load Life (1000h at rated power, 1.5h ON, 0.5h OFF)	±5% + 0.1Ω
Moisture Resistance (56d @ 40°C, 90-95% RH)	±1% + 0.05Ω
Thermal Shock (30m @ -40°C, 30m @ +200°C, 5 cycles)	±1% + 0.05Ω
10X Overload (5s)	±2% + 0.1Ω
Vibration (10 to 500Hz, 10g, 6h)	±0.5% + 0.05Ω

