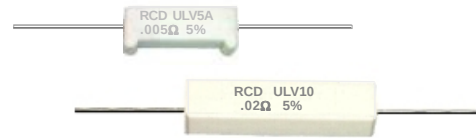


ULTRA-LOW OHM, 2 WATT to 20 WATT

ULV SERIES



Term. W is
RoHS
compliant
& 260°C
compatible

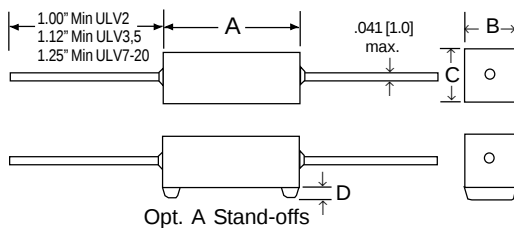


FEATURES

- Values from 0.002Ω to 0.05Ω, tolerances to ±0.5%
- Ceramic body results in a fireproof construction
- Welded construction, low-inductance
- Excellent overload capability
- Available on RCD's exclusive **SWIFT™** delivery program!

OPTIONS

- Option X: Non-inductive design (<0.1uH)
- Option A: Built-in standoffs available
- Option E: Low thermal EMF design



Ultra Low Value, 2-Terminal

When ordering low value resistors please note that the lead resistance can be a contributing factor. RCD measures the resistance value at 3/8 ±1/32" from each end of the body (per MIL-R-49465). If in actual use, a different span from the resistor body to the PCB will be required, please advise at the time of ordering.

TYPICAL PERFORMANCE

TC _{T25 to T100}	.025Ω to 0.05Ω	200ppm/°C typ., 50 & 100ppm avail.
	.01Ω to 0.0249Ω	400ppm/°C typ., 200 & 100ppm avail.
	.005Ω to 0.0099Ω	800ppm/°C typ., 400 & 200ppm avail.
	.002Ω to 0.0049Ω	1600ppm/°C typ., 800 & 400ppm avail.
Operating Temp.	-55° to +275° C	
Terminal Strength	5 lbs. minimum	
Dielectric Strength	1000V	
Short Time Overload	5x rated W, 5 Sec., nte 1.5x max A	
Moisture Resistance	1.0%	
Temp. Cycle (-40/+125°C)	1.0%	
Load Life (1000 hours)	1.0%	
Shock and Vibration	0.2%	

RCD Type	Wattage Rating ¹ @ 25°C	Current Rating ¹ @ 25°C	MIL Type ²	Resis. Range ¹ (Ω)	DIMENSIONS [Numbers in brackets are mm.]			
					A ±.04 [1.0]	B ±.032 [.81]	C ±.05 [1.3]	D Typ. (Opt. A only)
ULV2	2W	20A	-	.002 - .05	.70 [17.8]	.27 [6.8]	.27 [6.8]	.06 [1.5]
ULV3	3W	25A	-	.002 - .05	.88 [22.4]	.31 [7.9]	.31 [7.9]	.06 [1.5]
ULV5	5W	30A	RLV41	.002 - .05	.88 [22.4]	.38 [9.7]	.35 [8.9]	.06 [1.5]
ULV7	7W	35A	RLV42	.0025 - .05	1.42 [36] max.	.38 [9.7]	.35 [8.9]	.10 [2.5]
ULV10	10W	40A	RLV43	.003 - .05	1.96 [50] max.	.38 [9.7]	.38 [9.7]	.10 [2.5]
ULV15	15W	40A	-	.003 - .05	1.96 [50] max.	.50 [12.7]	.50 [12.7]	.10 [2.5]
ULV20	20W	40A	-	.005 - .05	2.55 [65] max.	.56 [14.2] max.	.50 [12.7]	.10 [2.5]

¹ Increased rating available, consult factory

² Military part numbers are for references only and do not imply qualification.

P/N DESIGNATION:

ULV5 - **R005** - **J** **B** **W**

RCD Type _____

Option(s): X, E, A (leave blank if standard)

Resis. Code 0.5%-1%: use 3 signif. digits & multiplier, e.g. R010=.01Ω, R050=.05Ω, etc.
2%-10%: 2 digits & multiplier, R01=.01Ω, R05= 0.05Ω, etc.
Use extra digits as necess: R0025, R005, R0075, R012

Tolerance: K=10%, J=5%, H=3%, G=2%, F=1%, D=0.5%

Packaging: B= Bulk (standard)

Optional TC: 50=50ppm, 101=100ppm, 201=200ppm, 401=400ppm, 801=800ppm (leave blank if standard)

Termination: W= Lead-free, Q= Tin/Lead (leave blank if either is acceptable, in which case RCD will select based on lowest price and quickest delivery)

DERATING:

