RESISTORS •CAPS & COILS •DELAY LINES

HIGH POWER EDGEWOUND RESISTORS
TUBULAR, 75 WATT to 2000 WATT
EW SERIES

Term.W is RoHS compliant & 260°C compatible

- ❒ Widest range in the industry!
- ❒ High thermal capacity & power-to-size ratio
- ❒ Highest power performance for low cost
- ❒ Flameproof silicone coating
- ❒ Custom sizes and terminations available

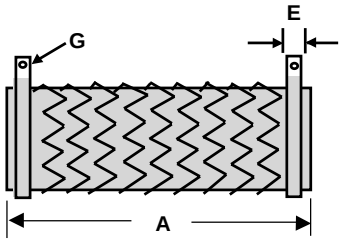
High power edgewound construction, economical price!
RCD Series EW is designed to meet heavy-duty requirements where space is at a premium. Unique ribbon element is edgewound onto a ceramic tube offering the industry's highest power ratings at a low cost. Inductance levels are lower than conventional round-wire designs. Series EW is ideally suited for load testing, power distribution, high power instrumentation, etc.

OPTIONS
- ❒ Option X: Non-inductive
- ❒ Option ER: 100 hour burn-in
- ❒ Option M: Thru-bolt brackets
- ❒ Option T: Single or multi-tapped design

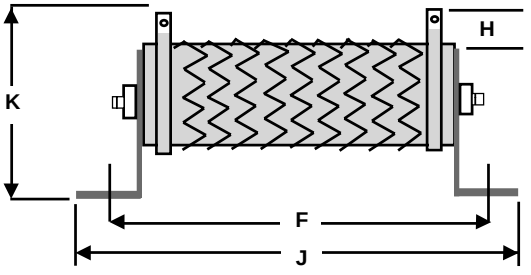
SPECIFICATIONS

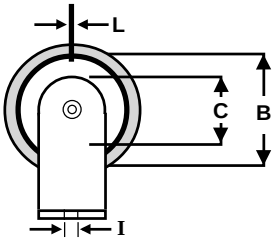
RCD Type	Wattage @ 25°C	Resistance Range* Ω	A	B	C	E	F	G	H	I	J	K	L
EW75	75W	0.1 - 8	4.33[110]	.984[25]	.63 [16]	.32[8]	5.9[150]	.197[5]	.71[18]	.236[6]	6.53[166]	2.28[58]	.047[1.2]
EW100	100W	0.1 - 9	3.54[90]	1.10[28]	.708[18]	.32[8]	5.12[130]	.197[5]	.71[18]	.236[6]	5.75[146]	2.36[60]	.047[1.2]
EW120	120W	0.1 - 12	4.33[110]	1.10[28]	.708[18]	.32[8]	5.90[150]	.197[5]	.71[18]	.236[6]	6.53[166]	2.36[60]	.047[1.2]
EW150	150W	0.1 - 15	5.51[140]	1.10[28]	.708[18]	.32[8]	7.08[180]	.197[5]	.71[18]	.236[6]	7.71[196]	2.36[60]	.047[1.2]
EW180	180W	0.1 - 18	6.3[160]	1.10[28]	.708[18]	.32[8]	7.87[200]	.197[5]	.71[18]	.236[6]	8.50[216]	2.36[60	.047[1.2]
EW225	225W	0.1 - 23	7.67[195]	1.10[28]	.708[18]	.32[8]	9.25[235]	.197[5]	.71[18]]	.236[6]	9.88[251]	2.36[60]	.047[1.2]
EW240	240W	0.1 - 24	7.28185]	1.38[35]	.945[24]	.36[9]	8.86[225]	.197[5]	.748[19]	315[8]	9.64[245]	2.99[76]	.063[1.6]
EW300	300W	0.3 - 30	8.27[210]	1.38[35]	.945[24]	.36[9]	9.84[250]	.197[5]	.748[19]	315[8]	10.78[274]	2.99[76]	.063[1.6]
EW375	375W	0.3 - 38	8.27[210]	1.57[40]	.984[25]	.44[11]	9.84[250]	.197[5]	.748[19]	315[8]	10.78[274]	3.07[78]	.063[1.6]
EW450	450W	0.3 - 45	10.23[260]	1.57[40]	.984[25]	.44[11]	11.81[300]	.197[5]	.748[19]	315[8]	12.6[320]	3.07[78]	.063[1.6]
EW600	600W	0.3 - 60	12.99[330]	1.57[40]	.984[25]	.44[11]	14.56[370]	.197[5]	.748[19]	315[8]	15.55[395]	3.07[78]	.063[1.6]
EW750	750W	0.3 - 75	12.99[330]	1.97[50]	1.38[35]	.47[12]	14.96[380]	.236[6]	.984[25]	354[9]	15.75[400]	4.13[105]	.063[1.6]
EW900	900W	0.3 - 90	15.75[400]	1.97[50]	1.38[35]	.47[12]	17.72[450]	.236[6]	.984[25]	354[9]	18.5[470]	4.13[105]	.063[1.6]
EW1000	1000W	0.5 - 100	18.11[460]	1.97[50]	1.38[35]	.47[12]	20.07[510]	.236[6]	.984[25]	354[9]	21.0[533]	4.13[105]	.063[1.6]
EW1200	1200W	0.5 - 120	18.11[460]	2.36[60]	1.57[40]	.59[15]	20.27[515]	.236[6]	1.18[30]	.393[10]	21.06[535]	4.41[112]	.063[1.6]
EW1500	1500W	0.5 - 150	21.26[540]	2.36[60]	1.57[40]	.59[15]	23.42[595]	.236[6]	1.18[30]	.393[10]	24.21[615]	4.41[112]	.063[1.6]
EW2000	2000W	0.5 - 200	25.59[650]	2.56[60]	1.65[28]	.59[15]	27.63[702]	.238[6]	1.18[30]	.393[10]	28.42[722]	4.72[120]	.063[1.6]

* Available as low as 0.05Ω on special order.



Option M - thru-bolt mounting brackets for secured mounting





PERFORMANCE CHARACTERISTICS

Tolerance	±5% is standard 1Ω and above, ±10% below 1Ω (avail. to ±1%)
Temperature Coefficient	400ppm/°C Typ. (available to 50 ppm)
Dielectric Strength*	1000 VAC: terminal to mounting bracket 0 VAC: terminal to resistor body
Overload	10x rated power for 5 sec.
Derating	Full power @ 25°C to zero power @ 350°C

* Increased dielectric strength available.

P/N DESIGNATION:

EW750 ❒ - 1R5 - J B W

RCD Type:
Options: X, ER, M (Leave blank if standard)
Resis.Code 1%: 3 signif. figures & multiplier, (R100=.1Ω, 1R00=1Ω, 10R0=10Ω, 1000=100Ω
Resis.Code 2%-10%: 2 signif. figures & multiplier, (R10=0.1Ω, 1R0=1Ω, 100=10Ω, 101=100Ω, 102=1K
Tolerance: K=10% (std <1Ω), J=5%(std 1Ω & above), G=2%, F=1%
Packaging: B = Bulk (only)
Termination: W= Lead-free, Q= Tin/Lead (leave blank if either is acceptable)

RCD Components Inc, 520 E. Industrial Park Dr, Manchester, NH, USA 03109 rcdcomponents.com Tel: 603-669-0054 Fax: 603-669-5455 Email:sales@rcdcomponents.com