WLRD6G Series

High Current Oval Edgewound

The choice when conditions demand top-notch performance, these resistors are commonly used for dynamic braking on Transit applications. Choose from five sizes with up to thirty-one current ratings. The units listed below are direct replacements for General Electric 42D6G1XXX or 42D6G3XXX.

Built to perform in rugged environments, they feature corrosion resistant stainless steel insulator supports, solid nickel terminals, and special electroless nickel-plated solid copper terminal supports. The resistance element is made of a stainless steel resistance alloy. Terminals are welded or silver brazed to the oval, spiral edgewound resistance element. Toothed ceramic insulators isolate the resistance element from the center support. Ceramic end bushings insulate the center support from the mountings.

Order individual replacement units or entire grids with various mounting configurations. Contact us with your specific needs.

SERIES SPECIFICATIONS

Available in 525, 850, 1200, 1450, and 1750 watt sizes (Use I^2R for exact wattage)

CHARACTERISTICS

Current Rating	Continuous duty as listed below.
Wattage Rating	Continuous duty based on a 375°C temperature rise.
Working Voltage	Limited to 550 Volts if mounting is grounded. Special higher voltage mounting is available.
Resistance Tolerance	±10%.
Terminals/Jumpers	Standard terminals have 5/16 stainless hardware for ring lug connections. Brass tags can be placed at connection points for identification. If necessary, all connections can be made on one side of grid. Fixed tap terminals are also available. Jumpers between resistors are nickel plated solid copper.
Mounting	Resistors can be mounted in grid arrays of 1 x 2 to 4 x 4. All resistors in one grid must be of the same length. Frames construction is heavy gauge zinc plated steel. Either “bolt up” or “bolt down” type frames are available. Frames may be grounded if voltage potential is below 550 Volts. Single resistor and vertical mounting is available.

NOTE

WLRD6G resistors require significant investment in resistance wire due to high minimum order quantities imposed by our vendors. Before ordering always check with the factory on wire availability.

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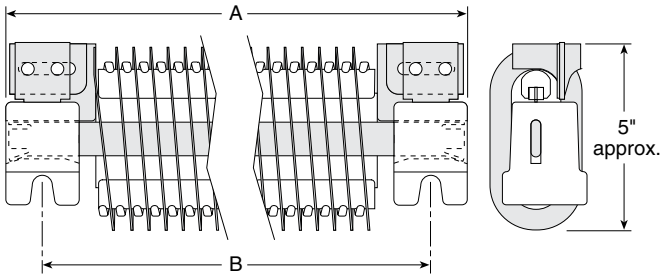
DIMENSIONS



Wattage	A Over-all	B Mounting Centers
525	11.625"	9.625"
850	15.188"	13.188"
1200	18.5"	16.5"
1450	21.875"	19.875"
1750	25.125"	23.125"

Dimensions for reference only; Consult factory for details.

ORDERING INFORMATION

Individual resistors can be ordered by part number.
Example: WLRD6G3061 is a 0.156 ohm, 90 amp rated part.
Call or e-mail for information on mounting, grid configurations, unusual service conditions, or special requests.

Part Numbers

	525 Watts		850 Watts		1200 Watts		1450 Watts		1750 Watts	
Amps	Ohms	Part Number WLRD6G-	Ohms	Part Number WLRD6G-	Ohms	Part Number WLRD6G-	Ohms	Part Number WLRD6G-	Ohms	Part Number WLRD6G-
146	-	-	-	-	0.055	3109E			0.082	3129
135	-	-	-	-	0.0677	3114E	-	-	-	-
124	-	-	-	-	0.080	3115E	-	-	-	-
116	-	-	-	-	0.0915	3111E	-	-	0.142	3131
113	0.0426	3093E	0.071	3073E	0.092	3013E	0.121	3053E	0.142	3033
103	0.0497	3094E	0.0781	3074E	0.107	3014E	0.140	3054E	0.163	3034
100	-	-	0.080	3169E	0.122	3110E	-	-	0.185	3130
94	0.0581	3095E	0.0913	3075E	0.125	3015E	0.158	3055E	0.191	3035
86	0.0747	3096E	0.116	3076E	0.158	3016E	0.199	3056E	0.241	3036
85	0.0671	3181E	0.116	3161E	0.159	3101E	0.201	3141E	0.244	3121
80	0.0864	3097E	0.134	3077E	0.182	3017E	0.230	3057E	0.278	3037
79	0.0781	3182E	0.135	3162E	0.185	3102E	0.234	3142E	0.284	3122
74	0.0984	3081E	0.156	3061E	0.213	3001E	0.279	3041E	0.336	3021
70	0.110	3183E	0.171	3163E	0.232	3103E	0.293	3143E	0.354	3123
69	0.115	3082E	0.182	3062E	0.249	3002E	0.326	3042E	0.394	3022
65	0.128	3184E	0.199	3164E	0.270	3104E	0.341	3144E	0.412	3124
62	0.146	3083E	0.220	3063E	0.305	3003E	0.390	3043E	0.463	3023
61	0.148	3185E	0.230	3165E	0.312	3105E	0.394	3145E	0.476	3125
56	0.170	3084E	0.270	3064E	0.369	3004E	0.483	3044E	0.568	3024
54	-	-	0.269	3171E	0.378	3108E	-	-	0.573	3128
51	0.213	3085E	0.327	3065E	0.440	3005E	0.554	3045E	0.667	3025
47	0.249	3086E	0.382	3066E	0.514	3006E	0.647	3046E	0.780	3026
43	0.299	3087E	0.465	3067E	0.631	3007E	0.796	3047E	0.963	3027
39	0.364	3088E	0.566	3068E	0.768	3008E	0.970	3048E	1.170	3028
35	0.465	3089E	0.707	3069E	0.909	3009E	1.190	3049E	1.390	3029
32	0.544	3090E	0.846	3070E	1.148	3010E	1.450	3050E	1.750	3030
30	0.695	3091E	1.057	3071E	1.360	3011E	1.780	3051E	2.080	3031
26	0.860	3092E	1.310	3072E	1.680	3012E	2.210	3052E	2.580	3032
25	1.060	3098E	1.620	3078E	2.080	3018E	2.730	3058E	3.190	3038
22	1.200	3099E	1.830	3079E	2.450	3019E	3.070	3059E	3.700	3039
18	2.040	3100E	3.110	3080E	3.990	3020E	5.240	3060E	6.130	3040