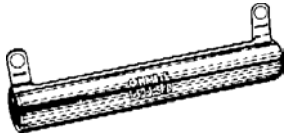


Type 270 Fixed Vitreous Enamel Power Resistors

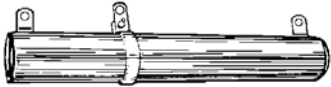


Suitable for applications requiring higher wattage ratings from 12½ to 225 watts. The rugged vitreous enamel coating provides electrical insulation, excellent heat conduction, and is flame resistant. These wirewound resistors are wound on a high quality ceramic core with lug terminals suitable for soldering or sturdy bolt connection. For sturdy mounting, the hollow core permits fastening with spring-type brackets, thru bolts or thru bolts with slotted-steel brackets. **Tolerance:** ±5%. Power rating based on 25°C free air rating. Mounting brackets, thru bolts and hardware sold separately on page 672.

| Stock No. | Mfr.'s Type | Ohms | EACH |       |       |       |
|-----------|-------------|------|------|-------|-------|-------|
|           |             |      | 1-9  | 10-24 | 25-49 | 50-99 |
| 296-2797  | L12J3R3     | 3.3  | 3.94 | 3.82  | 3.70  | 3.59  |
| 296-2798  | L12J10R     | 10   | 4.60 | 4.45  | 4.31  | 4.17  |
| 296-2800  | L12J15R     | 15   | 4.59 | 4.44  | 4.30  | 4.17  |
| 296-2799  | L12J27R     | 27   | 3.48 | 3.32  | 3.12  | 2.99  |
| 296-2801  | L12J100     | 100  | 3.48 | 3.32  | 3.12  | 2.99  |
| 296-2802  | L12J150     | 150  | 3.58 | 3.42  | 3.21  | 3.08  |
| 296-2803  | L12J1K0     | 1000 | 3.70 | 3.53  | 3.31  | 3.18  |
| 296-2804  | L12J2K2     | 2200 | 3.60 | 3.43  | 3.22  | 3.09  |

| 25 Watt   |             |      |      |       |       |       |
|-----------|-------------|------|------|-------|-------|-------|
| Stock No. | Mfr.'s Type | Ohms | 1-9  | 10-24 | 25-49 | 50-99 |
| 296-2730  | L25J1R0     | 1    | 4.45 | 4.31  | 4.18  | 4.05  |
| 296-2735  | L25J2R0     | 2    | 4.67 | 4.45  | 4.19  | 4.00  |
| 296-2740  | L25J3R0     | 3    | 4.58 | 4.37  | 4.11  | 3.92  |
| 296-2745  | L25J5R0     | 5    | 4.45 | 4.31  | 4.18  | 4.05  |
| 296-2750  | L25J10R     | 10   | 4.37 | 4.16  | 3.91  | 3.74  |

Type 210 Adjustable Vitreous Enamel Power Resistors



Type 210 adjustable resistors are used for applications requiring settings at different resistance values. These wirewound resistors are equipped with a screwdriver adjustable lug, making them ideal for adjusting circuits, obtaining odd resistance values and setting equipment to meet various line voltages. These resistors have a vitreous enamel coating with a strip of uncovered wire that makes contact with the adjustment lug. One screwdriver adjustment lug is provided with each resistor. The hollow core permits secure fastening with spring-type clips, thru bolts or thru bolts with washers. They also offer the durability and flame resistance of vitreous enamel coating and all-welded construction. **Tolerance:** ±10%. **Note:** The stated wattage rating applies only when the entire resistance is in the circuit. Setting the lug at an intermediate point reduces the wattage by the approximate same proportion. Mounting brackets, thru bolts and hardware sold separately on page 672.

| Stock No. | Mfr.'s Type | Ohms | EACH |       |       |       |
|-----------|-------------|------|------|-------|-------|-------|
|           |             |      | 1-9  | 10-24 | 25-49 | 50-99 |
| 296-2030  | D12K1R0     | 1    | 7.53 | 7.29  | 7.06  | 6.85  |
| 296-2033  | D12K5R0     | 5    | 7.39 | 7.04  | 6.61  | 6.33  |
| 296-2035  | D12K10R     | 10   | 7.50 | 7.15  | 6.71  | 6.43  |
| 296-2037  | D12K20R     | 20   | 7.19 | 6.96  | 6.75  | 6.55  |
| 296-2040  | D12K25R     | 25   | 7.28 | 6.96  | 6.75  | 6.55  |
| 296-2045  | D12K50R     | 50   | 7.28 | 6.96  | 6.75  | 6.55  |
| 296-2050  | D12K100     | 100  | 7.28 | 6.94  | 6.52  | 6.24  |
| 296-2055  | D12K150     | 150  | 7.50 | 7.15  | 6.71  | 6.43  |
| 296-2060  | D12K250     | 250  | 7.72 | 7.47  | 7.24  | 7.02  |
| 296-2061  | D12K500     | 500  | 7.56 | 7.24  | 7.02  | 6.81  |
| 296-2062  | D12K1K0     | 1000 | 8.42 | 8.01  | 7.54  | 7.21  |
| 296-2063  | D12K2K0     | 2000 | 8.34 | 7.94  | 7.46  | 7.15  |
| 296-2065  | D12K3K0     | 3000 | 7.89 | 7.51  | 7.06  | 6.76  |
| 296-2070  | D12K5K0     | 5000 | 8.01 | 7.67  | 7.43  | 7.21  |
| 296-2073  | D12K10K     | 10K  | 7.78 | 7.41  | 6.97  | 6.67  |

| 25 Watt  |         |   |      |      |      |
|----------|---------|---|------|------|------|
| 296-2075 | D25K1R0 | 1 | 8.74 | 8.54 | 8.27 |
|          |         |   | 8.02 |      |      |

| 25 Watt (continued) |             |      |      |       |       |       |  |
|---------------------|-------------|------|------|-------|-------|-------|--|
| Stock No.           | Mfr.'s Type | Ohms | EACH |       |       |       |  |
|                     |             |      | 1-9  | 10-24 | 25-49 | 50-99 |  |
| 296-2755            | L25J15R     | 15   | 4.50 | 4.29  | 4.03  | 3.85  |  |
| 296-2760            | L25J25R     | 25   | 4.37 | 4.16  | 3.91  | 3.74  |  |
| 296-2765            | L25J50R     | 50   | 4.50 | 4.29  | 4.03  | 3.85  |  |
| 296-2770            | L25J75R     | 75   | 4.37 | 4.16  | 3.91  | 3.74  |  |
| 296-2775            | L25J100     | 100  | 4.59 | 4.44  | 4.30  | 4.17  |  |
| 296-2776            | L25J150     | 150  | 5.00 | 4.77  | 4.48  | 4.28  |  |
| 296-2777            | L25J250     | 250  | 5.00 | 4.77  | 4.48  | 4.28  |  |
| 296-2778            | L25J500     | 500  | 4.50 | 4.28  | 4.03  | 3.85  |  |
| 296-2779            | L25J750     | 750  | 4.61 | 4.39  | 4.12  | 3.94  |  |
| 296-2780            | L25J1K0     | 1000 | 4.58 | 4.37  | 4.10  | 3.93  |  |
| 296-2783            | L25J1K5     | 1500 | 4.81 | 4.66  | 4.51  | 4.37  |  |
| 296-2785            | L25J2K0     | 2000 | 4.58 | 4.37  | 4.10  | 3.93  |  |
| 296-2786            | L25J2K5     | 2500 | 5.15 | 4.91  | 4.60  | 4.42  |  |
| 296-2787            | L25J3K0     | 3000 | 4.71 | 4.50  | 4.22  | 4.04  |  |
| 296-2790            | L25J3K5     | 3500 | 4.58 | 4.37  | 4.10  | 3.93  |  |
| 296-2793            | L25J4K0     | 4000 | 4.76 | 4.54  | 4.27  | 4.08  |  |
| 296-2795            | L25J5K0     | 5000 | 5.41 | 5.16  | 4.85  | 4.64  |  |
| 296-2806            | L25J10K     | 10K  | 5.98 | 5.70  | 5.36  | 5.13  |  |
| 296-2807            | L25J15K     | 15K  | 5.53 | 5.27  | 4.96  | 4.74  |  |
| 296-2808            | L25J20K     | 20K  | 6.66 | 6.35  | 5.98  | 5.71  |  |
| 296-2809            | L25J50K     | 50K  | 6.26 | 6.05  | 6.87  | 6.69  |  |
| 296-2811            | L25J100K    | 100K | 6.35 | 6.05  | 5.69  | 5.44  |  |

| 50 Watt  |          |      |       |       |      |      |  |
|----------|----------|------|-------|-------|------|------|--|
| 296-2812 | L50J1R0  | 1    | 6.87  | 6.65  | 6.44 | 6.24 |  |
| 296-2805 | L50J5R0  | 5    | 6.43  | 6.13  | 5.76 | 5.51 |  |
| 296-2810 | L50J10R  | 10   | 6.32  | 6.02  | 5.66 | 5.41 |  |
| 296-2815 | L50J25R  | 25   | 6.63  | 6.42  | 6.22 | 6.03 |  |
| 296-2820 | L50J50R  | 50   | 7.04  | 6.71  | 6.31 | 6.03 |  |
| 296-2825 | L50J75R  | 75   | 6.85  | 6.52  | 6.13 | 5.86 |  |
| 296-2830 | L50J100  | 100  | 6.63  | 6.42  | 6.22 | 6.03 |  |
| 296-2831 | L50J150  | 150  | 6.50  | 6.19  | 5.82 | 5.57 |  |
| 296-2832 | L50J200  | 200  | 6.32  | 6.02  | 5.66 | 5.41 |  |
| 296-2835 | L50J250  | 250  | 7.17  | 6.84  | 6.43 | 6.14 |  |
| 296-2840 | L50J500  | 500  | 6.85  | 6.52  | 6.13 | 5.86 |  |
| 296-2845 | L50J1K0  | 1000 | 6.23  | 5.94  | 5.58 | 5.34 |  |
| 296-2846 | L50J2K0  | 2000 | 6.23  | 5.94  | 5.58 | 5.34 |  |
| 296-2847 | L50J5K0  | 5000 | 6.24  | 6.04  | 5.85 | 5.67 |  |
| 296-2848 | L50J10K  | 10K  | 7.21  | 6.98  | 6.76 | 6.55 |  |
| 296-2849 | L50J25K  | 25K  | 10.05 | 9.58  | 9.00 | 8.62 |  |
| 296-2851 | L50J50K  | 50K  | 10.57 | 10.07 | 9.47 | 9.07 |  |
| 296-2850 | L50J100K | 100K | 9.98  | 9.51  | 8.94 | 8.56 |  |

| 25 Watt (continued) |             |      |      |       |       |       |  |
|---------------------|-------------|------|------|-------|-------|-------|--|
| Stock No.           | Mfr.'s Type | Ohms | EACH |       |       |       |  |
|                     |             |      | 1-9  | 10-24 | 25-49 | 50-99 |  |
| 296-2080            | D25K2R0     | 2    | 8.82 | 8.54  | 8.27  | 8.02  |  |
| 296-2085            | D25K3R0     | 3    | 7.58 | 7.22  | 6.79  | 6.50  |  |
| 296-2090            | D25K5R0     | 5    | 6.95 | 6.62  | 6.22  | 5.96  |  |
| 296-2095            | D25K7R5     | 7.5  | 6.95 | 6.62  | 6.22  | 5.96  |  |
| 296-2100            | D25K10R     | 10   | 7.31 | 7.07  | 6.85  | 6.65  |  |
| 296-2105            | D25K15R     | 15   | 7.31 | 7.07  | 6.85  | 6.65  |  |
| 296-2110            | D25K20R     | 20   | 7.17 | 6.85  | 6.55  | 6.45  |  |
| 296-2115            | D25K25R     | 25   | 6.95 | 6.62  | 6.22  | 5.96  |  |
| 296-2120            | D25K50R     | 50   | 7.02 | 6.79  | 6.58  | 6.38  |  |
| 296-2125            | D25K100     | 100  | 7.31 | 7.07  | 6.85  | 6.65  |  |
| 296-2130            | D25K200     | 200  | 6.95 | 6.62  | 6.22  | 5.95  |  |
| 296-2135            | D25K250     | 250  | 7.31 | 7.07  | 6.85  | 6.65  |  |
| 296-2137            | D25K500     | 500  | 7.31 | 7.07  | 6.85  | 6.65  |  |
| 296-2140            | D25K1K0     | 1000 | 7.26 | 6.95  | 6.74  | 6.54  |  |
| 296-2145            | D25K1K5     | 1500 | 7.33 | 6.98  | 6.57  | 6.29  |  |
| 296-2146            | D25K2K0     | 2000 | 7.33 | 6.98  | 6.57  | 6.29  |  |
| 296-2147            | D25K2K5     | 2500 | 7.33 | 6.98  | 6.57  | 6.29  |  |
| 296-2148            | D25K5K0     | 5000 | 8.11 | 7.85  | 7.60  | 7.37  |  |
| 296-2150            | D25K7K0     | 7000 | 8.11 | 7.85  | 7.60  | 7.37  |  |
| 296-2151            | D25K10K     | 10K  | 8.07 | 7.68  | 7.22  | 6.91  |  |
| 296-2152            | D25K20K     | 20K  | 8.08 | 7.70  | 7.24  | 6.93  |  |
| 296-2153            | D25K25K     | 25K  | 8.48 | 8.21  | 7.95  | 7.71  |  |

| 50 Watt  |          |      |       |       |       |       |  |
|----------|----------|------|-------|-------|-------|-------|--|
| 296-2155 | D50K1R0  | 1    | 12.05 | 11.66 | 11.30 | 10.96 |  |
| 296-2160 | D50K2R0  | 2    | 11.95 | 11.38 | 10.70 | 10.24 |  |
| 296-2165 | D50K5R0  | 5    | 9.83  | 9.51  | 9.21  | 8.93  |  |
| 296-2170 | D50K10R  | 10   | 10.83 | 10.31 | 9.70  | 9.28  |  |
| 296-2175 | D50K25R  | 25   | 10.20 | 9.71  | 9.13  | 8.74  |  |
| 296-2180 | D50K50R  | 50   | 10.62 | 10.11 | 9.51  | 9.10  |  |
| 296-2185 | D50K100  | 100  | 10.47 | 10.13 | 9.82  | 9.52  |  |
| 296-2190 | D50K150  | 150  | 10.47 | 10.13 | 9.82  | 9.52  |  |
| 296-2193 | D50K250  | 250  | 9.95  | 9.48  | 8.91  | 8.53  |  |
| 296-2195 | D50K300  | 300  | 10.47 | 10.13 | 9.82  | 9.52  |  |
| 296-2200 | D50K500  | 500  | 10.54 | 10.04 | 9.44  | 9.03  |  |
| 296-2205 | D50K750  | 750  | 10.83 | 10.32 | 9.70  | 9.29  |  |
| 296-2210 | D50K1K0  | 1000 | 10.68 | 10.17 | 9.57  | 9.16  |  |
| 296-2212 | D50K2K0  | 2000 | 11.01 | 10.49 | 9.87  | 9.45  |  |
| 296-2213 | D50K3K0  | 3000 | 11.66 | 11.11 | 10.45 | 10.00 |  |
| 296-2215 | D50K5K0  | 5000 | 11.50 | 10.96 | 10.30 | 9.86  |  |
| 296-2214 | D50K10K  | 10K  | 11.40 | 10.86 | 10.21 | 9.78  |  |
| 296-2216 | D50K20K  | 20K  | 11.07 | 10.54 | 9.91  | 9.49  |  |
| 296-2218 | D50K50K  | 50K  | 11.67 | 11.11 | 10.45 | 10.00 |  |
| 296-2219 | D50K100K | 100K | 11.90 | 11.52 | 11.16 | 10.82 |  |

| 75 Watt  |         |     |       |       |       |
|----------|---------|-----|-------|-------|-------|
| 296-2220 | D75K15R | 15  | 15.67 | 15.17 | 14.69 |
| 296-2230 | D75K100 | 100 | 15.28 | 14.79 | 14.33 |
| 296-2235 | D75K300 | 300 | 14.55 | 13.86 | 13.03 |
|          |         |     |       |       | 12.47 |

| 100 Watt  |             |      |       |       |       |       |  |
|-----------|-------------|------|-------|-------|-------|-------|--|
| Stock No. | Mfr.'s Type | Ohms | EACH  |       |       |       |  |
|           |             |      | 1-9   | 10-24 | 25-49 | 50-99 |  |
| 296-2855  | L100J1R0    | 1    | 10.00 | 9.52  | 8.96  | 8.57  |  |
| 296-2860  | L100J2R0    | 2    | 10.00 | 9.52  | 8.96  | 8.57  |  |
| 296-2865  | L100J5R0    | 5    | 9.62  | 9.16  | 8.61  | 8.24  |  |
| 296-2870  | L100J10R    | 10   | 8.77  | 8.49  | 8.23  | 7.98  |  |
| 296-2875  | L100J25R    | 25   | 9.03  | 8.60  | 8.09  | 7.74  |  |
| 296-2880  | L100J50R    | 50   | 9.03  | 8.60  | 8.09  | 7.74  |  |
| 296-2883  | L100J75R    | 75   | 9.50  | 9.20  | 8.91  | 8.64  |  |
| 296-2885  | L100J100    | 100  | 8.92  | 8.49  | 7.99  | 7.61  |  |
| 296-2890  | L100J150    | 150  | 10.00 | 9.52  | 8.96  | 8.57  |  |
| 296-2895  | L100J250    | 250  | 8.92  | 8.49  | 7.99  | 7.64  |  |
| 296-2900  | L100J500    | 500  | 8.92  | 8.49  | 7.99  | 7.64  |  |
| 296-2905  | L100J1K0    | 1000 | 8.50  | 8.10  | 7.61  | 7.29  |  |
| 296-2910  | L100J1K5    | 1500 | 8.94  | 8.38  | 8.13  | 7.89  |  |
| 296-2906  | L100J2K0    | 2000 | 8.50  | 8.10  | 7.61  | 7.29  |  |
| 296-2907  | L100J2K5    | 2500 | 8.50  | 8.10  | 7.61  | 7.29  |  |
| 296-2908  | L100J5K0    | 5000 | 8.50  | 8.10  | 7.61  | 7.29  |  |
| 296-2909  | L100J10K    | 10K  | 8.77  | 8.35  | 7.85  | 7.51  |  |
| 296-2911  | L100J20K    | 20K  | 8.77  | 8.35  | 7.85  | 7.51  |  |
| 296-2915  | L100J50K    | 50K  | 10.57 | 10.06 | 9.46  | 9.06  |  |
| 296-2920  | L100J100K   | 100K | 16.13 | 15.61 | 15.12 | 14.67 |  |