

Strip Heater - SD Series



SD Series strip heaters have two bolt type terminals at opposite ends. Table 18 lists heaters having aluminized steel sheath.

Aluminum Steel Sheath

The entire heater assembly is encased in an aluminized steel sheath and is compressed under high pressure. The sheath provides both corrosion resistance and an attractive appearance. Aluminized steel strip heaters are suitable for applications where the maximum sheath temperature does not exceed 1000°F (538°C).

If higher temperatures are anticipated use stainless steel heaters listed in Table 18.

Installation

Standard strip heaters listed are rated at 120V and 240V. All strip heaters can be used on voltages lower than listed for reduced wattage, and some designs can also be used on higher voltages - check factory.

Whenever voltage to ground exceeds 300V, secondary insulators must be used. See Special Features on page A30.

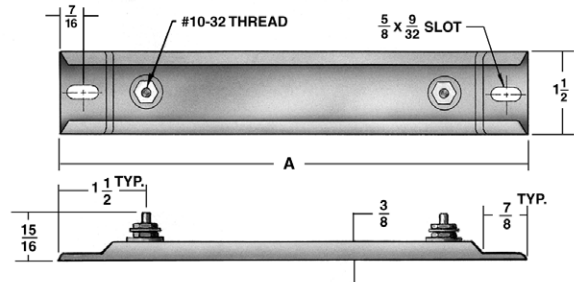


Figure 53

Table 16 – Type SD Strip Heaters: Terminals at Each End/Aluminized Steel Sheath

| 'A' Dim. | | Watts | Watts Per | | Caloritech™ Catalog No. | | Chromalox Catalog No. | |
|----------|------|-------|-----------------|-----------------|-------------------------|--------|-----------------------|-------|
| in. | mm | | in ² | cm ² | 120V | 240V | 120V | 240V |
| 7 ¼ | 184 | 100 | 8.2 | 1.3 | SD1001 | — | — | — |
| 7 ¼ | 184 | 150 | 12.3 | 1.9 | SD1011 | — | — | — |
| 8 | 203 | 150 | 10 | 1.6 | SD1021 | SD1032 | S815 | S815 |
| 9 ½ | 241 | 200 | 9.7 | 1.5 | SD1041 | SD1052 | S920 | — |
| 11 ¾ | 298 | 250 | 8.6 | 1.3 | SD1061 | SD1072 | S1225 | S1225 |
| 14 | 356 | 300 | 8.0 | 1.2 | SD1131 | SD1142 | S1430 | — |
| 15 | 381 | 325 | 7.9 | 1.2 | SD1151 | SD1162 | — | — |
| 17 ¾ | 451 | 350 | 6.8 | 1.1 | SD1171 | SD1182 | — | — |
| 17 ¾ | 451 | 375 | 7.3 | 1.1 | SD1191 | SD1202 | — | — |
| 17 ¾ | 451 | 500 | 9.7 | 1.5 | SD1211 | SD1222 | S1850 | S1850 |
| 19 ½ | 495 | 500 | 8.6 | 1.3 | SD1231 | SD1242 | — | — |
| 21 | 533 | 500 | 7.8 | 1.2 | SD1291 | SD1302 | S2050 | — |
| 23 ½ | 597 | 250 | 3.4 | 0.5 | SD1311 | SD1322 | — | S2425 |
| 23 ½ | 597 | 500 | 6.8 | 1.1 | SD1331 | SD1342 | S2450 | S2450 |
| 25 ½ | 648 | 750 | 9.3 | 1.4 | SD1401 | SD1412 | — | — |
| 26 ¾ | 679 | 700 | 8.2 | 1.3 | SD1421 | SD1432 | — | — |
| 30 ¼ | 768 | 750 | 7.6 | 1.2 | SD1441 | SD1452 | — | S3075 |
| 33 ½ | 851 | 750 | 6.8 | 1.1 | SD1461 | SD1472 | — | — |
| 35 ¾ | 908 | 1000 | 8.4 | 1.3 | SD1481 | SD1492 | — | S3610 |
| 38 ½ | 978 | 1000 | 7.7 | 1.2 | SD1501 | SD1512 | — | — |
| 42 ¼ | 1073 | 1250 | 8.7 | 1.3 | SD1521 | SD1532 | — | — |

Stainless Steel Sheath

The entire heater assembly is encased in a stainless steel sheath and is compressed under high pressure. The sheath combines additional corrosion protection and excellent appearance. Stainless steel strip heaters are suitable for applications where the maximum sheath temperature does not exceed 1200°F (649°C).

Heaters with high temperature stainless steel sheath are listed in Table 19.

Installation

Standard strip heaters listed are rated at 120V and 240V. All strip heaters can be used on voltages lower than listed for reduced wattage, and some designs can also be used on higher voltages - check factory.

Whenever voltage to ground exceeds 300V, secondary insulators must be used. See Special Features on page A30.

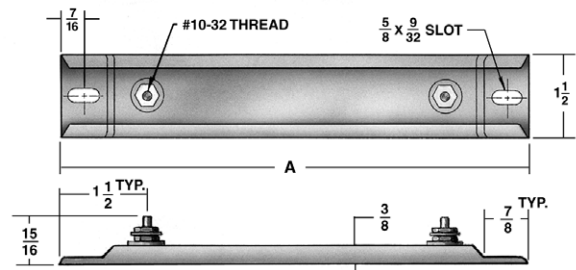


Figure 54

To Order Specify

- Quantity
- Wattage
- Catalog number
- Special features
- Voltage

Table 17 – Type SD Strip Heaters - Terminals at Each End/Stainless Steel Sheath

| 'A' Dim. | | Watts | Watts Per | | Caloritech™ Catalog No. | | Chromalox Catalog No. | |
|----------|------|-------|-----------------|-----------------|-------------------------|--------|-----------------------|-------|
| in. | mm | | in ² | cm ² | 120V | 240V | 120V | 240V |
| 7 ¼ | 184 | 100 | 8.2 | 1.3 | SD2001 | — | — | — |
| 7 ¼ | 184 | 200 | 16.4 | 2.5 | SD2011 | — | — | — |
| 8 | 203 | 250 | 16.7 | 2.6 | SD2021 | SD2032 | — | — |
| 9 ½ | 241 | 300 | 14.5 | 2.2 | SD2041 | SD2052 | — | — |
| 11 ¾ | 298 | 100 | 3.4 | 0.5 | — | SD2062 | — | — |
| 11 ¾ | 298 | 250 | 8.6 | 1.3 | SD2071 | SD2082 | S1202 | S1202 |
| 11 ¾ | 298 | 350 | 12.0 | 1.9 | SD2091 | SD2102 | — | — |
| 11 ¾ | 298 | 500 | 17.2 | 2.7 | SD2111 | SD2122 | — | S1205 |
| 14 | 356 | 500 | 13.3 | 2.1 | SD2131 | SD2142 | — | — |
| 15 | 381 | 500 | 12.1 | 1.9 | SD2151 | SD2162 | — | — |
| 17 ¾ | 451 | 500 | 9.7 | 1.5 | SD2171 | SD2182 | S1805 | S1805 |
| 17 ¾ | 451 | 750 | 14.5 | 2.2 | SD2191 | SD2202 | — | S1807 |
| 17 ¾ | 451 | 1000 | 19.4 | 3.0 | SD2211 | SD2222 | S1801 | S1801 |
| 19 ½ | 495 | 500 | 8.6 | 1.3 | SD2231 | SD2242 | — | — |
| 19 ½ | 495 | 750 | 12.9 | 2.0 | SD2251 | SD2262 | — | S1907 |
| 19 ½ | 495 | 1000 | 17.2 | 2.7 | SD2271 | SD2282 | — | — |
| 21 | 533 | 500 | 7.8 | 1.2 | SD2291 | SD2302 | S2005 | — |
| 23 ½ | 597 | 500 | 6.8 | 1.1 | SD2311 | SD2322 | S2405 | S2404 |
| 23 ½ | 597 | 750 | 10.3 | 1.6 | SD2341 | SD2352 | S2407 | S2407 |
| 23 ½ | 597 | 1000 | 13.7 | 2.1 | SD2361 | SD2372 | S2401 | S2401 |
| 23 ½ | 597 | 1500 | 20.5 | 3.2 | SD2381 | SD2392 | — | — |
| 25 ½ | 648 | 1000 | 12.4 | 1.9 | SD2401 | SD2412 | — | — |
| 26 ¼ | 679 | 750 | 8.8 | 1.4 | SD2421 | SD2432 | — | — |
| 30 ¼ | 768 | 750 | 7.6 | 1.2 | SD2441 | SD2452 | — | — |
| 33 ½ | 851 | 1000 | 9.0 | 1.4 | SD2461 | SD2472 | — | S3301 |
| 35 ¼ | 908 | 1000 | 8.4 | 1.3 | SD2481 | SD2492 | — | S3601 |
| 38 ½ | 978 | 1000 | 7.7 | 1.2 | SD2501 | SD2512 | — | — |
| 42 ¼ | 1073 | 1500 | 10.5 | 1.6 | SD2521 | SD2532 | — | — |