## HIGH TEMPERATURE HIGH VOLTAGE STACKED CAPACITORS (HTS) XHT and NPO DIELECTRIC

Consult Factory for Requirements Above $250^{\circ} \mathrm{C}$

| PRESIDIO CASE SIZE (Maximum Capacitance $\mu \mathrm{F}$ ) |  |  |  |  |  |  |  |  |  |  |  |  |  |  | "B" No. of <br> Ht Caps <br> Max. per <br> inch (mm) Stack |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Case Code* | 52 |  | 53 |  | 54 |  | 55 |  | 56 |  | 57 |  | 58 |  |  |  |
| Dielectric | XHT | NPO | XHT | NPO | XHT | NPO | XHT | NPO | XHT | NPO | XHT | NPO | XHT | NPO |  |  |
| $\begin{gathered} \text { WVDC** } \\ \text { 1000V } \\ \text { (Voltage } \\ \text { Code }=9 \text { ) } \end{gathered}$ | . 040 | . 0036 | . 080 | . 0075 | . 16 | . 014 | . 25 | . 022 | . 35 | . 030 | . 38 | . 033 | . 70 | . 060 | . 200 (5.08) | 1 |
|  | . 080 | . 0072 | . 16 | . 015 | . 32 | . 028 | . 50 | . 044 | . 70 | . 060 | . 76 | . 066 | 1.4 | . 12 | . 350 (8.89) | 2 |
|  | . 12 | . 011 | . 24 | . 022 | . 48 | . 042 | . 75 | . 066 | . 10 | . 090 | 1.1 | . 10 | 2.1 | . 18 | . 500 (12.70) | 3 |
|  | . 16 | . 014 | . 32 | . 030 | . 64 | . 056 | 1.0 | . 088 | . 14 | . 12 | 1.5 | . 13 | 2.8 | . 24 | . 650 (16.51) | 4 |
| $\begin{aligned} & \text { WVDC** }^{*} \\ & \text { 2000V } \\ & \text { (Voltage } \\ & \text { Code }=11 \text { ) } \end{aligned}$ | . 0080 | . 00075 | . 019 | . 0017 | . 035 | . 0032 | . 055 | . 0050 | . 080 | . 0070 | . 090 | . 0082 | . 17 | . 015 | . 200 (5.08) | 1 |
|  | . 016 | . 0015 | . 038 | . 0034 | . 070 | . 0064 | . 11 | . 010 | . 16 | . 014 | . 18 | . 016 | . 34 | . 030 | . 350 (8.89) | 2 |
|  | . 024 | . 0022 | . 057 | . 0051 | . 10 | . 0096 | . 16 | . 015 | . 24 | . 021 | . 27 | . 024 | . 51 | . 045 | . 500 (12.70) | 3 |
|  | . 032 | . 0030 | . 076 | . 0068 | . 14 | . 013 | . 22 | . 020 | . 32 | . 028 | . 36 | . 033 | . 68 | . 060 | . 650 (16.51) | 4 |
| WVDC** <br> 3000V <br> (Voltage <br> Code = 13) | - | - | . 0070 | . 00065 | . 014 | . 0013 | . 022 | . 0021 | . 033 | . 0030 | . 039 | . 0035 | . 070 | . 0065 | . 200 (5.08) | 1 |
|  | - | - | . 014 | . 0013 | . 028 | . 0026 | . 044 | . 0042 | . 066 | . 0060 | . 078 | . 0070 | . 14 | . 013 | . 350 (8.89) | 2 |
|  | - | - | . 021 | . 0019 | . 042 | . 0039 | . 066 | . 0063 | . 10 | . 0090 | . 11 | . 010 | . 21 | . 019 | . 500 (12.70) | 3 |
|  | - | - | . 028 | . 0026 | . 056 | 0052 | . 088 | . 0084 | . 13 | . 012 | . 15 | . 014 | . 28 | . 026 | . 650 (16.51) | 4 |
| $\begin{aligned} & \text { WVDC** } \\ & \text { 4000V } \\ & \text { (Voltage } \\ & \text { Code }=14 \text { ) } \end{aligned}$ | - | - | - | - | . 007 | . 00060 | . 012 | . 0010 | . 017 | . 0015 | . 020 | . 0018 | . 039 | . 0035 | . 200 (5.08) | 1 |
|  | - | - | - | - | . 014 | . 0012 | . 024 | . 0020 | . 034 | . 0030 | . 040 | . 0036 | . 078 | . 0070 | . 350 (8.89) | 2 |
|  | - | - | - | - | . 021 | . 0018 | . 036 | . 0030 | . 051 | . 0045 | . 060 | . 0054 | . 11 | . 010 | . 500 (12.70) | 3 |
|  | - | - | - | - | . 028 | . 0024 | . 048 | . 0040 | . 068 | . 0060 | . 080 | . 0072 | . 15 | . 014 | . 650 (16.51) | 4 |
| $\begin{gathered} \text { WVDC** } \\ \text { 5000V } \\ \text { (Voltage } \\ \text { Code }=15 \text { ) } \end{gathered}$ | - | .- | - | - | . 0040 | . 00042 | . 0065 | . 00070 | . 0090 | . 0010 | . 011 | . 012 | . 022 | . 0024 | . 200 (5.08) | 1 |
|  | - | - | - | - | . 0080 | . 00084 | . 013 | . 0014 | . 018 | . 0020 | . 022 | . 024 | . 044 | . 0048 | . 350 (8.89) | 2 |
|  | - | - | - | - | . 012 | . 0012 | . 019 | . 0021 | . 027 | . 0030 | . 033 | . 036 | . 066 | . 0072 | . 500 (12.70) | 3 |
|  | - | - | - | - | . 016 | . 0016 | . 026 | . 0028 | . 036 | . 0040 | . 044 | . 048 | . 088 | . 0096 | . 650 (16.51) | 4 |
| Dimensions inch (mm) | 0.300 | (7.62) | 0.415 | (10.54) | 0.500 | (12.70) | 0.600 | (15.24) | 0.700 | 17.78) | 0.975 | 24.77) | 1.375 | 34.93) | $\mathrm{C} \pm .025$ | 0.64) |
|  | 0.260 | (6.60) | 0.350 | (8.89) | 0.460 | (11.68) | 0.560 | (14.22) | 0.660 | 16.76) | 0.520 | 13.21) | 0.670 | 17.02) | D (Max) | Vidth |
|  | 0.325 | (8.26) | 0.440 | (11.18) | 0.525 | (13.34) | 0.625 | (15.88) | 0.725 | 18.42) | 1.000 | 25.40) | 1.400 | 35.56) | E (Max) L | ngth |
| Leads Per Side | 3 |  | 4 |  | 4 |  | 5 |  | 6 |  | 5 |  | 6 |  |  |  |
| Chip Size | 2824 |  | 3933 |  | 4844 |  | 5854 |  | 6864 |  | 9650 |  | 13565 |  |  |  |

** WVDC = Working Voltage Direct Current
HOW TO ORDER HIGH VOLTAGE HTS STACKS


Contact factory regarding
NPQ dielectric, additional case sizes, or custom shapes

## PRESIDIO COMPONENTS DESIGN-IN CODES

## A WORD TO THE DESIGN ENGINEER

After the design work is done, outsourcing manufacturing on a global basis is a management option. At Presidio Components, we are striving for complete customer satisfaction which includes "after" service for all of our products.

We added a "Design-In" locator code for quick traceability, if needed. Please select your location from the table below and add the appropriate code at the end of the part number. If you need assistance, please give us a call at (858) 578-9390 or email HT@presidiocomponents.com.

## UNITED STATES

## OUTSIDE THE UNITED STATES

| USA | Code | USA | Code | Americas |  | Europe |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Alabama | ( G ) | Nebraska | ( P ) | Canada | (R) | Austria | $\text { ( } 3 \text { ) }$ |
| Alaska | ( P ) | Nevada, North | ( B ) | Mexico | (R) | Belgium | (1) |
| Arizona | ( D ) | Nevada, South | ( C ) | Caribbean | (R) | Denmark | ( 5 ) |
| Arkansas | (P) | New Hampshire | ( L ) | Central America | (R) | Finland | (5) |
| California, North | ( B ) | New Jersey | ( J ) | South America | ( R ) | France | (2) |
| California, South | (C) | New Mexico | ( D ) |  |  | Germany | (2) |
| Colorado | ( E) | New York, Metro | ( J ) | Pacific Rim |  | land |  |
| Connecticut | (L) | New York, Upstate | ( K ) | Australia | ( S ) |  |  |
| Delaware | ( I ) | North Carolina | ( G ) | China | ( T ) | bour |  |
| District of Columbia | ( H ) | North Dakota | ( 0 ) | Japan | (U) | herlands |  |
| Florida | (G) | Ohio | (M) | Korea, South | ( V ) | y |  |
| Georgia | (G) | Oklahoma | (P) | Malaysia | (W) | Sweden |  |
| Hawaii | (P) | Oregon | ( A$)$ | Singapore | (X) | erland |  |
| Idaho | ( A$)$ | Pennsylvania | (I) | Other Pacific Rim | ries (Y) | hited Kingdom |  |
| Illinois | ( N ) | Rhode Island | ( L ) |  |  | er European Cour |  |
| Indiana | ( M ) | South Carolina | (G) |  |  | 促 |  |
| lowa | ( 0 ) | South Dakota | ( 0 ) |  |  | Other |  |
| Kansas | ( P ) | Tennessee | ( G ) |  |  | India | ( Z ) |
| Kentucky | ( M ) | Texas | ( F ) |  |  | Israel | ( 8 ) |
| Louisiana | ( P ) | Utah | (E) |  |  | Rest of World | (9) |
| Maine | ( L ) | Vermont | ( L ) |  |  |  |  |
| Maryland | ( H ) | Virginia | ( H ) |  |  |  |  |
| Massachusetts | ( L | Washington | ( A$)$ |  |  |  |  |
| Michigan | ( N ) | West Virginia | ( P ) |  |  |  |  |
| Minnesota | ( 0 ) | Wisconsin, East | ( N ) |  |  |  |  |
| Mississippi | ( G ) | Wisconsin, West | ( 0 ) |  |  | EXAMPLE: |  |
| Missouri | ( N ) | Wyoming | (E) |  | 805XH | 3K1Q5R(F) |  |
| Montana | ( A ) |  |  | Add D at t | In Code of the as sho | ide the parentheses sidio part number above. |  |

